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Mobile Computer Cart Design & Ergonomics

Safety and Ergonomics are all considered in the development of each JACO Mobile Healthcare Cart. Their engineering designs focus on Weights / Sizes / Distances for total user comfort. The Engineers and Manufacturing Personnel are experienced with identifying potential safety issues and eliminating them. JACO doesn't just design products; they test them with real people and engineer them accordingly. JACO Wireless Computers on Mobile Healthcare Carts are people-sensitive engineered and designed by and for nursing.



1. ULTRA ZXP CART OVERVIEW

JACO Ultra ZXP Engineering Excellence

The Ultra ZXP Computer Cart by JACO provides the perfect foundation on which to build your mobile wireless system. Ultra ZXP Computers on Wheels can accommodate virtually any IT hardware configuration and are loaded with ergonomic features and options for user comfort, safety and convenience.

Base Model

The base model cart includes the following standard features:

- Large 20" x 13" work surface.
- True single hand height adjustment featuring a foot pedal actuator.
- Front and rear handles.
- Ergonomically correct pivoting keyboard tray and swing out mouse trays (R & L).
- 4 x 5" dual wheel swivel casters. 2 locking and 2 non-locking.

The JACO Ultra ZXP Computer Cart is shipped fully assembled including all options ordered with computer hardware. Safe transit of all items includes optional features that only require fast, easy assembly right on site.

Engineered Ergonomics— The Most Important Question

With our deep industry experience in designing modular and adaptable mobile workstations, JACO engineering takes risk management very seriously. Engineering and Management Staff listen to you for every new design. To guide them through this process, they have adopted quality guidelines that are referred to not only as the design concept is presented, but also as the design is completed. They test new products on people of all sizes, which generates valuable input to develop the best product. Designed and engineered for the human form. The most important question is ***will the operator be able to use this product comfortably and without risk for extended periods of time?*** All of their accepted product designs must resound with "yes."



1. ULTRA ZXP CART OVERVIEW

(CONTINUED)

Every JACO Wireless Mobile Workstation and options are designed for total user comfort and safety.

Industry Safety & Standards Leadership

JACO's Healthcare PC Carts are custom built to order; each one is individually tested and must pass a 10° Tip / Tilt Test after assembly and configuration with Computing Hardware. There is no industry requirement for Tip / Tilt Testing, but JACO's philosophy on safety demands it. Consequently, in 1999 they established the industry leading Tip / Tilt Test Process. The computer cart is raised to its highest position, put on a 10° ramp and balanced in place with a 1/8" bar on the ramp floor. All the casters are then turned inward to their most awkward position. The cart must be able to maintain that position. When it does, only then will it be approved for final packing and shipment.

Ergonomics

All JACO carts and options are designed for user comfort. The Ultra ZXP Cart design includes the following Ergonomic features:

- Rugged yet lightweight constructions and dual wheel castors make the UltraLite Laptop a highly mobile cart platform.
- A hand lever actuator for height adjustment that provides "True single hand height adjustment"
- The optional Tilt-Rite II pivoting keyboard tray and swing out mouse trays allow the user to angle the keyboard and mouse to negative 15° for proper wrist placement

2. ULTRA ZXP CART SET UP & USAGE

All JACO Ultra ZXP Carts arrive completely assembled and ready to use. The following steps will have you up and running in no time.

Remove From Packaging

Remove the cart from packaging following the provided instructions:

- Do not throw away any of the packaging material until the cart is inspected and in use.
- Please inspect the cart carefully for damage due to shipping.
- If there is any damage, report it to the driver or Freight Company immediately to start claim process.
- Refer to Warranty for further details.

Adjust Height of Cart

Before moving the cart, take the time to adjust the height so that it is comfortable for you to work with. You can adjust the height of the cart, either raising or lowering it by following these instructions:

- Face the cart from the front.
- Grasp the front handlebar of the cart.
- Press the lever on the bottom front of the cart with your foot.
- Pull up or push down on the handlebar.
- Raise your foot from the lever when the cart reaches the desired height.

Unlocking the Wheels

After adjusting the cart height, you may need to unlock the cart wheels so that you can move the cart around. To do so:

- Hold Cart firmly.
- Lift the wheel lock with your foot until the lock releases or until you hear a click.

2. ULTRA ZXP CART SET UP & USAGE (CONTINUED)

Moving the Ultra ZXP Cart

After you have adjusted the height and unlocked the wheels, you are ready to move the cart. To move the cart properly:

- Face the cart from the front.
- Grasp the front handlebar of the cart with both hands.
- Push or pull the cart to the desired location.

You may also use the rear handlebar to move the cart. This may be best for pushing the cart for longer distances.

Around Corners and Tight Spaces

- From the position you chose to push the cart, spin the entire cart while keeping you body fully facing the cart.
- Do not twist your trunk to guide the cart around corners.
- In tight spaces, you can spin the cart left or right until desired position is achieved.

Using the Cart

When you are ready to set the cart up to use the keyboard and mouse, do the following:

- Adjust the height of the cart to a comfortable position.
- Adjust the keyboard by lifting the keyboard tray up or pushing it down.
- Pull the left or right mouse tray out on the keyboard tray depending on your preference.
- Adjust the monitor for best viewing.

Care and Cleaning

- The Ultra ZXP Cart has a high quality powder coat finish for years of protection and maintenance free use.
- Clean the cart with Isopropyl Alcohol or Disinfectant as often as required to avoid contamination problems.
- Dilute cleaning products before use, according to manufacturer's instructions.
- Wipe cleaning solutions off surfaces immediately, never allow to dry on any surface of the equipment.

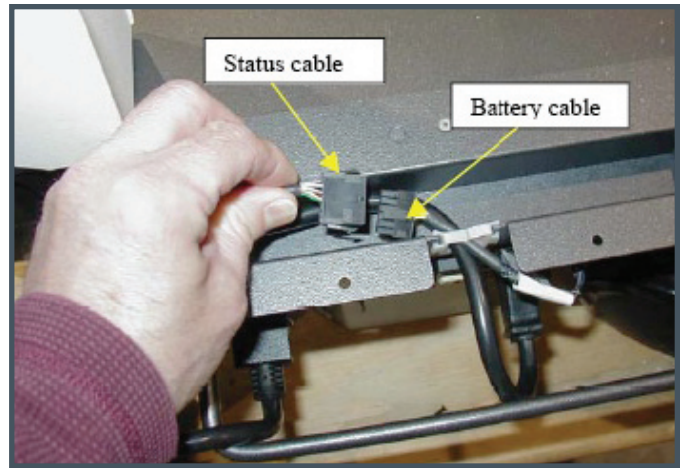
2. ULTRA ZXP CART SET UP & USAGE (CONTINUED)

Connecting the Battery to the Status Cable on Ultra ZXP Mobile Workstations

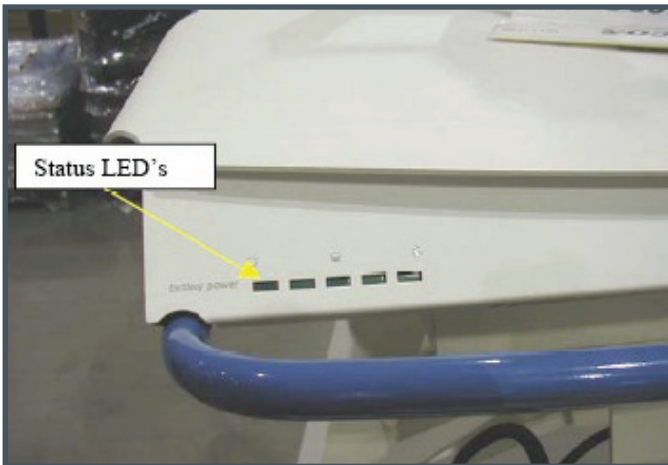
Note: The connection should be made just before the cart is put into service. Be certain the battery switch is turned off before making the connection.



Pull up to disengage ball studs and remove rear dress cover from the mobile cart as shown above.



Connect the status cable and battery cable together.



Check to verify that all 5 LED lights are lit on the status display.



Tuck the cable back into the cable trough as shown above. Re-install the rear dress cover and turn the battery switch on.

3. ULTRA ZXP CART OPTIONS & SECURITY

The Ultra ZXP Cart by JACO has a host of options that can be added to the base model cart.

All options ordered with the cart are assembled to the cart at the factory.

- Most options are very simple and need no further assembly or usage instructions.
- For the few that do, the assembly / use instructions are sent with the cart and any other pertinent documentation.
- Many options are also able to be retrofitted. If you decide to order an option after receipt of the cart, an assembly instruction will be provided.

Power Systems

The Ultra ZXP Carts have optional extended life power supplies:

- The JACO J-24 is a mobile power solution designed specifically for use with your laptop or thin client device.
- The JACO J-48 is a mobile power solution designed specifically for use with your PC and flat screen display.
- Both the J-24 and J-48 offer 120 VAC true sine wave output and international 50/60 Hz input voltage providing hours of run time for mobile computing.
- With temperature controlled operation to optimize efficiency during run and recharge, and stringent testing methods during battery assembly, the JACO power solutions guarantee a quality product out of the box and for years to come.

Good Practice Guideline:

- Battery should always be plugged in for recharging when not in use.
- SLA batteries do not require full discharge and recharge and, in fact, will last longer if NOT discharged until depleted.
- Always plug in your battery when fuel gauge is flashing indicating less than 15% power available.
- You may continue to use your computer during recharge. This may impact recharge time but the battery is designed to accommodate.
- If fuel gauge is flashing, plug battery in for recharge as soon as possible. Do not store cart for extended period of time with low battery.
- Power save features on your laptop or PC should be utilized whenever possible to help increase the battery run time.

3. ULTRA ZXP CART OPTIONS & SECURITY

(CONTINUED)

Run Time Expectations

- The run time of any battery solution is based on the amount of power that is being consumed. For instance, a typical laptop computer will use half the power of a full PC and flat screen display. In many cases, the goal of a mobile battery solution is to run for a full work shift. This is easily accomplished with a J-24 power solution when good practice guidelines are followed.
- The J-48 will offer the same great performance as the J-24; however, it has been designed to run a full PC and flat screen display. A full work shift of up-time is also well within the scope of this battery solution when proper operating guidelines are followed.
- As with any battery solution, up-times will vary based on a number of factors including temperature, repeated deep discharging and amount of power needed to run the device connected to the battery.
- Refer to the USER GUIDE—JACO POWER SYSTEMS for further operation detail.

Computer Hardware Security

Ultra ZXP Cart designs include security features intended to deter routine theft of the computer hardware while on the cart.

Individual options have specific security features that may include one of the following:

- Many security features are designed into the options construction to be hidden or unobvious.
- Security bars on the laptop locking work surface prevent removal of the laptop.
- “One-Way” or “Torx” Screws require a special tool to remove are used when mounting flat screen monitors to the monitor stand for VESA mounting. This tool is provided with the cart or the option.
- 5 Position button style “punch lock” is used on the single and dual drawer options.

Replacement Parts

Ultra ZXP Carts are designed for years of maintenance free use. If a problem arises please contact InfoLogix.

To initiate support, call 215-639-8899 or 800-328-0030. At the menu prompt, select InfoLogix Support. We can be reached Monday through Friday from 8:30 AM to 5:30 PM Eastern time. Also, visit www.infologix.com/support for technical information, FAQs and submitting a Help Desk ticket.

4. ULTRA ZXP CART SERVICE

Computer Cart Care and Cleaning

- The Ultra ZXP Cart has a durable high quality powder coat finish for years of maintenance free use.
- Clean the cart with isopropyl alcohol or disinfectant as required to avoid contamination problems.
- Dilute cleaning products before use and according to manufacturer's instructions.

Basic Mobile Cart Adjustments

Cylinder adjustment: 5/16" hex wrench required

Cylinder adjustment may be necessary if one finds that the height adjustment process seems to require extreme effort. Turning the wrench clockwise will increase the lifting power of the cylinder. Turning the wrench counter clockwise will decrease the lifting power of the cylinder.

VESA monitor mount adjustment: 5/32" hex wrench required

Tension adjustment may be necessary if one finds that the monitor does not maintain its position or is difficult to maneuver. Turning the wrench clockwise will increase the tension and support the monitor more effectively.

Turning the wrench counter clockwise will make decrease the tension and allow the monitor to move more freely.



7.5mm INTERFACE
PLATE SHOWN

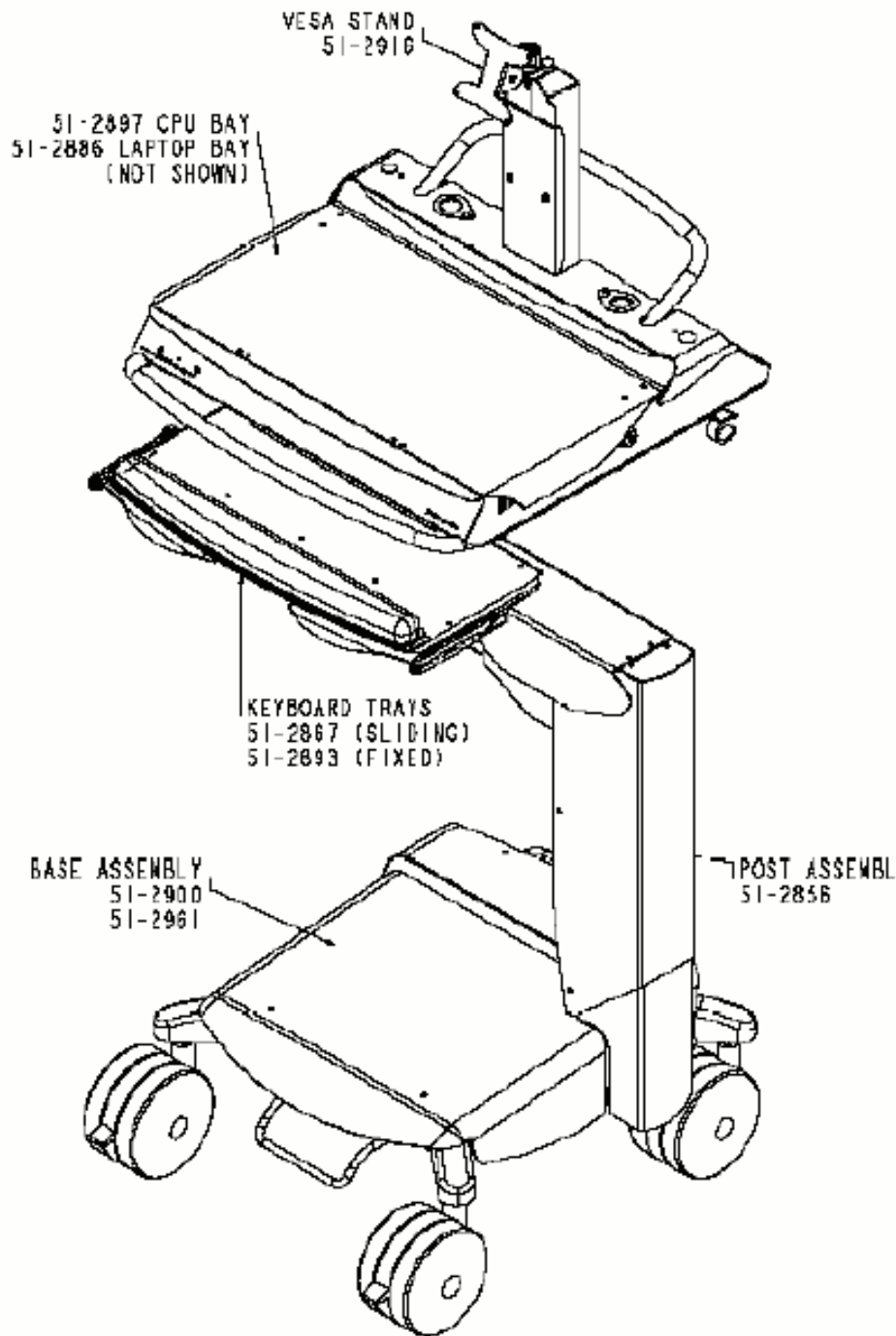


TENSION ADJUSTMENT SCREW,
5/32" HEX WRENCH REQ.

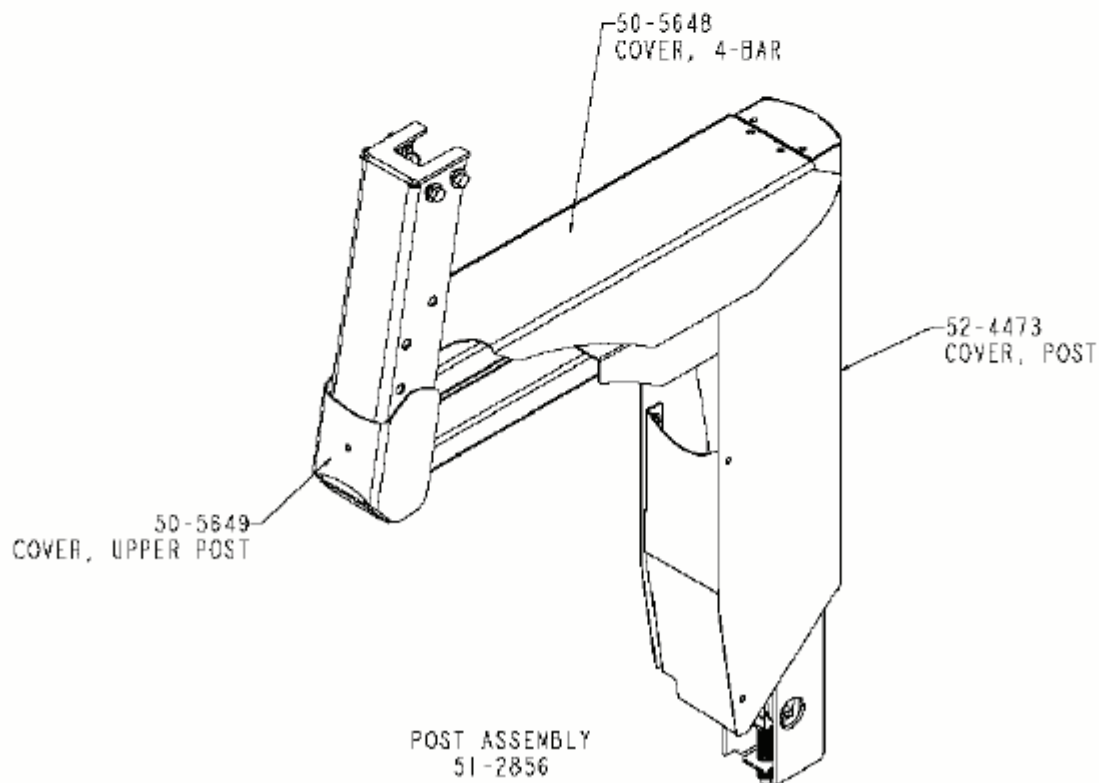
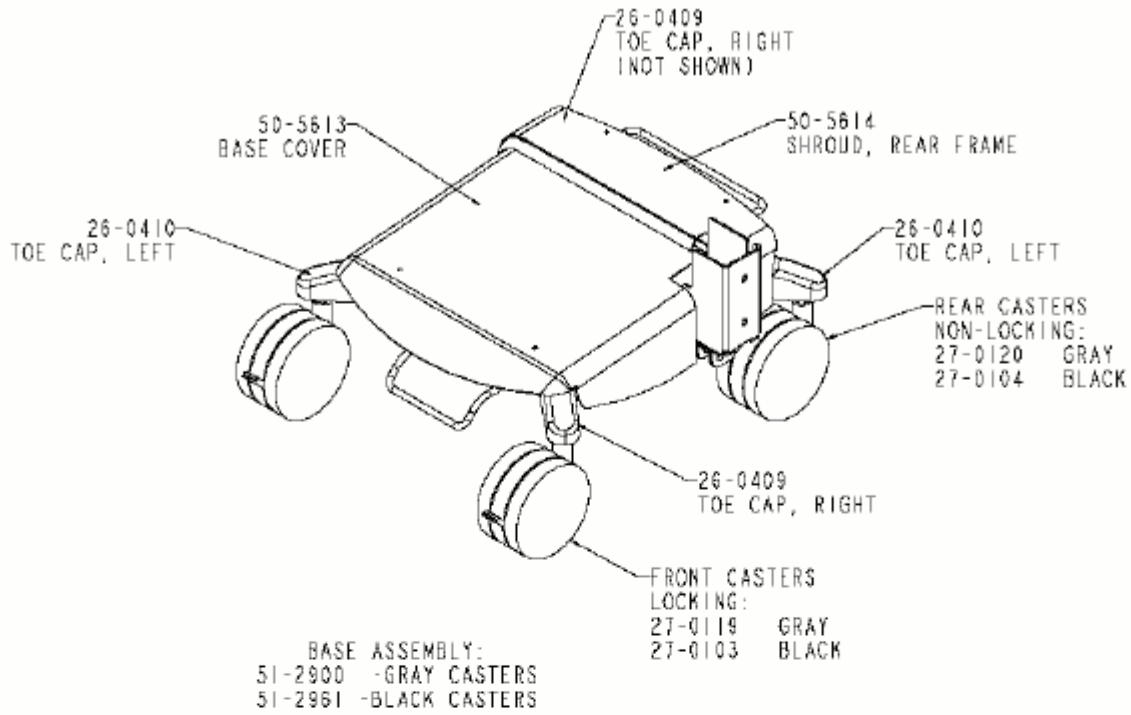
5. ULTRA ZXP PARTS REPLACEMENT / IDENTIFICATION

JACO wireless workstations are designed for years of maintenance free use.

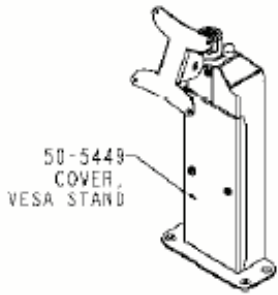
In the following pages are visual identifiers to assist you if there is a question concerning a part.



5. ULTRA ZXP PARTS REPLACEMENT / IDENTIFICATION (CONTINUED)

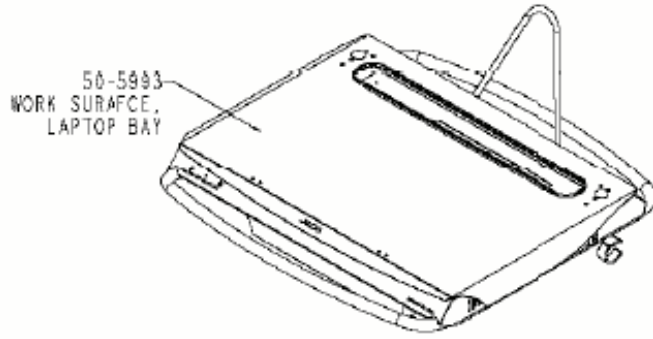


5. ULTRA ZXP PARTS REPLACEMENT / IDENTIFICATION (CONTINUED)



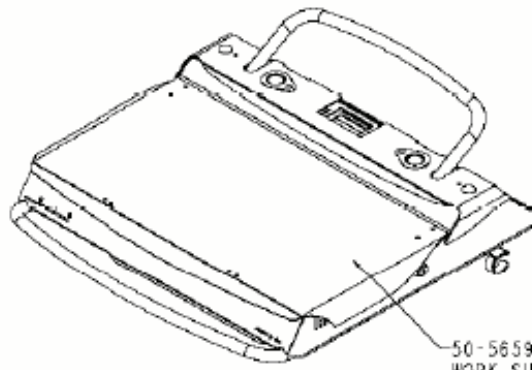
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COVER,
VESA STAND

VESA STAND
51-2916



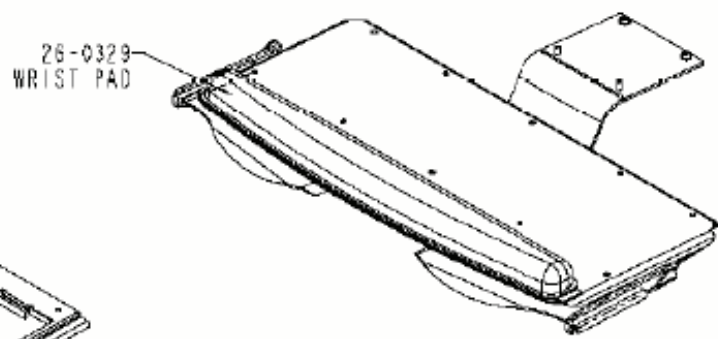
50-5883
WORK SURFACE,
LAPTOP BAY

HOUSING, LAPTOP BAY
51-2886



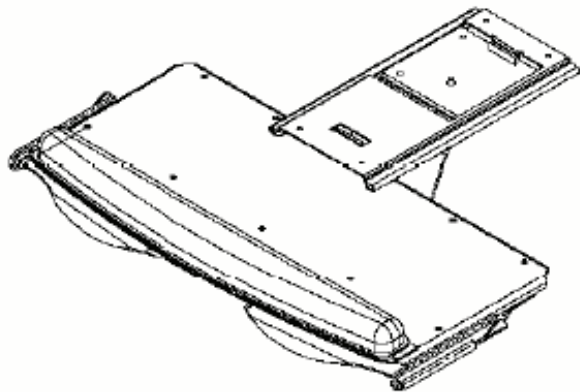
50-5659
WORK SURFACE, CPU BAY

HOUSING, CPU BAY
51-2897



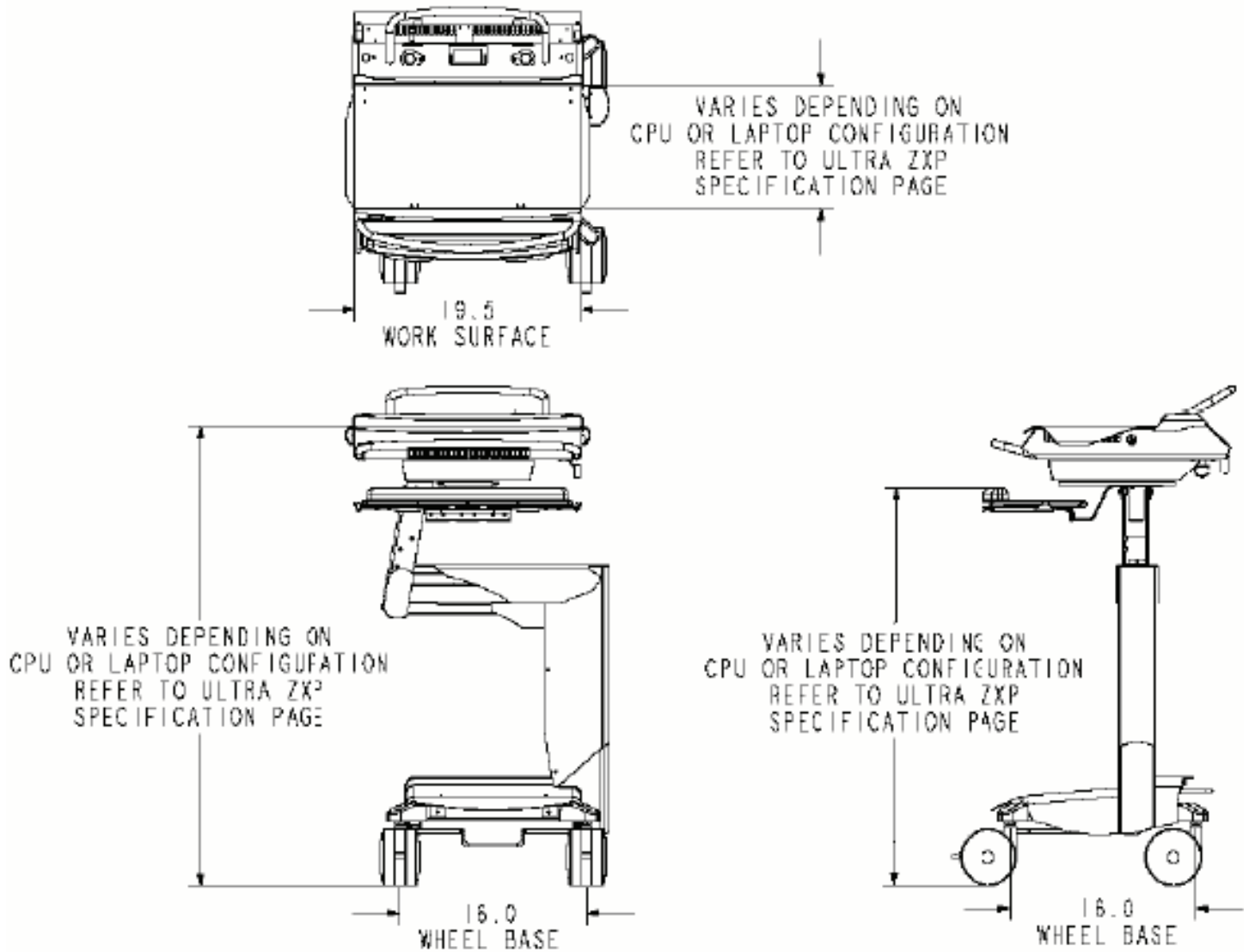
26-0329
WRIST PAD

FIXED KEYBOARD
51-2893



5. ULTRA ZXP PARTS REPLACEMENT / IDENTIFICATION (CONTINUED)

Dimension Sketches



6. ULTRA ZXP CART SPECIFICATIONS

- Height Adjustment: Foot actuated “pressure adjustable” pneumatic gas cylinder
- Range of Motion: 16” total height adjustment
- CPU work surface height, standing: 47.5” from floor to work surface
- CPU work surface height, sitting: 31.5” from floor to work surface
- Laptop work surface height, standing: 47” from floor to work surface
- Laptop work surface height, sitting: 31” from floor to work surface
- Sliding keyboard tray height, standing: 42” from floor to wrist rest
- Sliding keyboard tray height, sitting: 26” from floor to wrist rest
- Fixed keyboard tray height, standing: 42.5” from floor to wrist rest
- Fixed keyboard tray height, sitting: 26.5” from floor to wrist rest
- CPU work surface size: 19.50” x 10.6”
- Laptop work surface size: 19.50” x 9.6”
- Base size: 16” x 16” caster to caster
- Casters: 4 x 5” dual wheel, swivel
- Construction: welded aluminum and steel
- Finish: highest quality powder coat
- Weight, base model cart: 65 lbs.



Lockable Drawer Options



Ergonomic Tilt Keyboard



LED Battery Power Gauge

Standard Features

- Front and rear handles
- Pivoting keyboard tray with ergonomically correct + / - 15° tilt
- Concealed cable management
- PC hardware security

Optional Power

- JACO J-24 Power System 120 VAC 24 V “SLA” UL-60601-1
- JACO J-48 Power System 120 VAC 48 V “SLA” UL-60601-1

Configurations

- Laptop
- Laptop as CPU with flat screen monitor
- PowerCube II PC with monitor
- All-in-one PC / monitor
- Thin clients with monitor
- Tablet PCs



Adjustable Work Height



7. ULTRA ZXP CUSTOMER SERVICE AND SUPPORT

InfoLogix is committed to providing 100% quality on all products shipped and complete customer satisfaction.

If a question arises you should contact either your InfoLogix Sales Representative or the InfoLogix Help Desk.

InfoLogix works closely with our manufacturing partner and will provide technical assistance as required to resolve any issue. This could include:

- Technical drawings of specific carts / options.
- Assembly instructions of options.
- Rework instructions when replacing components in the field.
- Direct factory technical assistance via phone if needed.

Help Desk Support

To initiate support, call 215-639-8899 or 800-328-0030. At the menu prompt, select InfoLogix Support. We can be reached Monday through Friday from 8:30 AM to 5:30 PM Eastern time. Also, visit www.infologix.com/support for technical information, FAQs and submitting a Help Desk ticket.

The support analyst will require the following information to process your call:

- Company Name
- Contact
- Address
- Phone Number
- Email Address
- Cart Information: Part Number, Serial Number
- Battery Information (if applicable): Serial Number, Rev Level
- Problem Description.

Contact JACO Support for cart and/or power supply warranty issues at 866-803-0101.

