VersaCare® Bed

Quick Reference Guide

Item	Description	Page
A	Emergency CPR and Emergency Trendelenburg[a] Control	3
B	Battery Back-Up	4
C	Foot Controls	4
D	Point-of-Care® Caregiver Control Panel	5, 6
E	Control Pod	7, 8, 9
F	IntelliDrive® Transport System (optional)	10
G	Active Integrated Response® Treatment Surface or P500 Surface (optional)	12
H	SafeView™ Alerts (optional)	9

a. There must be power to the bed, either AC or battery, for the Emergency Trendelenburg function to operate.

NOTE: In this document, there are references to different bed models. To identify your bed model, look at the serial number label. The label is on the right side of the weigh frame, under the patient's shoulder. For example, P3200AXXXX identifies an A model bed.
Also in this document where two versions of a symbol are shown, one or the other will be used on your bed.

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

Emergency CPR

The emergency CPR controls are handles located under the sleep deck, between the head and intermediate siderails on both sides of the bed.

NOTE: The headboard can be used as a CPR board.

1. Pull and hold the **CPR** handle. If the bed has an treatment/therapy surface, the surface will go into Max-Inflate.
2. Hold the **CPR** handle until the head and knee section come to a stop in the flat position.
3. Release the **CPR** handle.

Emergency Trendelenburg

The emergency Trendelenburg controls are handles located under the sleep deck, between the head and intermediate siderails on both sides of the bed. The handles used to operate CPR are also used to operate emergency Trendelenburg.

NOTE: There must be power to the bed, either AC or battery, for the Emergency Trendelenburg function to operate.

1. Make sure the bed is plugged into AC power or the battery is activated.
2. Pull and hold the **CPR** handle.
3. Hold the **CPR** handle until the head and knee section come to a stop in the flat position.
4. Continue to hold the **CPR** handle until you reach the applicable bed angle.
5. Release the **CPR** handle.

Safety and Information Indicators

NOTE: For the indicators to operate, there must be AC or battery power to the bed.

NOTE: A through F models have the wrench (Service is Required) indicator **only**.

Plug (Disconnected from AC Power)

If the bed is disconnected from AC power and the battery is active, the plug indicator flashes.

Wrench (Service Is Required)

When the wrench indicator comes on solid or flashes, contact your facility-authorized maintenance person.

Battery

- ON = battery is active.
- FLASHING = battery needs to be charged.
- OFF = battery is inactive or is discharged below the level necessary to operate the motors.

Brake Not Set

If the bed is connected to AC power, and the brake is not set, the Brake Not Set indicator (available on some beds) flashes and a continuous alarm comes on. Set the brake to stop the alarm.

Obstacle Detection

The bed is equipped with an obstacle detection system that runs along the three open sides of the base frame. This system detects objects that are between the upper frame and the base frame.

If an object is detected, the Bed Not Down indicator on both siderails will flash and you will not be able to lower the bed.

If an object is detected while the bed sleep deck is lowering, the bed will stop lowering, and then raise automatically for 2 seconds. The Bed Not Down indicator on both siderails will flash.
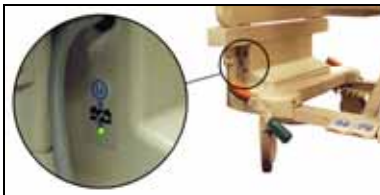

Battery Back-up

When the bed does not receive AC power, battery back-up can be activated. When the bed operates on battery back-up—

• The functions on the caregiver control panel **are** available.
• The functions on the control pod are **not** available, and the surface indicators are off.
• The battery stays active for 10 minutes (A through J models) or 1 minute (K model and newer) after the last control is used.

The battery indicator on the caregiver control panel shows its status (see "Battery" on page 3).

Activate

• **A through J models**—press the Battery control that is at the right-side head end, just below the power cord.

• **K model and newer**—press **any** caregiver siderail control except the Lockout control.

Foot Controls

1. To **enable** the controls, step down on one of the **Head Down/Up** or **Bed Down/Up** pedals for 1 to 3 seconds.
2. Release the pedal.
3. Step down on the pedal of the applicable function until the bed is in the correct position.

Bed Down/Up   Head Down/Up

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

Enable Control

A through F models—the control is on both the caregiver control panel and control pod. You must press the Enable control to use the controls **outside** of the caregiver control panel's blue section and **all** controls on the control pod.
G model and newer—the control is on the control pod only. You must press the Enable control to use the controls in the green sections of the control pod.
NOTE: The siderail Enable controls do not enable the Foot pedal controls.
1. Press the **Enable** control. The indicator comes on. The Enable control is active for 60 seconds.
2. During the 60-second period, press the applicable caregiver control. The 60-second period starts over each time you press another control.

Caregiver Control Panel Controls
Chair
1. Set the brake.
2. **A through F models**, press the **Enable** control. **G model and newer**, go to step 3.
3. Press and hold the **Chair** control until the patient deck goes into the chair position.
NOTE: Use the reverse Trendelenburg control for an additional 10° of forward chair angle.

Bed Flat
A through F models—the Bed Flat control returns only the sleep deck to the flat position; it does not change the angle of the bed.
G model and newer—the Bed Flat control returns the sleep deck and bed to the flat and level position.
1. **A through F models**, press the **Enable** control. **G model and newer**, go to step 2.
2. Press and hold the **Bed Flat** control until all sections are flat and the system stops.

Foot Extend/Longer and Foot Retract/Shorter
1. **A through F models**, press the **Enable** control. **G model and newer**, go to step 2.
2. Press and hold the applicable **Foot Extend/Longer** or **Foot Retract/Shorter** control until the bed is at the applicable position.

Boost® Position System—G model and Newer

When you activate the Boost® Position System, the bed will go to a mid-height and flat and level position. If you continue to hold the control for 5 more seconds, the bed will adjust to 7° Trendelenburg. If a treatment/therapy surface is installed, the surface will go into Max-Inflate for 30 minutes unless the Boost® function is deactivated.

NOTE: The Boost® Position is contraindicated for some patients. Follow your facility's protocols when you adjust the patient's position, and refer to Warnings and Contraindications on page 15.

1. Press and hold the **Boost® Position** control:
    • Release the control when the bed is at the flat and level position.
    Or
    • If Trendelenburg is not contraindicated for your patient, hold the control for 5 seconds longer for the bed to go into the 7° Trendelenburg position.

2. Move the patient to the head of the bed as necessary.
3. To deactivate the Boost® function, press any of the bed function controls except these: Boost® System, Bed Up/Down, or Trendelenburg.

Lockout Controls—A through F Models

Activate

At the same time, press and hold the **Enable** control and the applicable Lockout control. An indicator comes on solid when a lockout is activated. The indicator stays on until the lockout is deactivated.

| All Motors | Bed Up/Down | Head Up/Down | Knee Up/Down |

Deactivate

At the same time, press and hold the **Enable** control and the locked out control until its indicator is off.

Lockout Control—G Model and Newer

Activate

At the same time, press and hold the **Lockout** control and the direction control of the applicable function. An indicator and an alarm come on when a lockout is activated. The indicator stays on until the lockout is deactivated.

NOTE: When you activate the lockout for either the knee up/down or foot longer/shorter control, **both** knee up/down **and** foot longer/shorter functions will be locked out.

Deactivate

At the same time, press and hold the **Lockout** control and the locked out function control until its indicator is off.

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

Control Pod Controls

Scale
Setup
1. Make sure the bed is plugged into AC power.
2. Put all linens, blankets, pillows, equipment, and standard items on the bed.
3. Make sure none of the items on the bed touch the headboard.
4. Make sure the bed does not touch anything that could affect the patient weight (head-wall, lines such as pendant controls, ventila-tors, or drainage bags).
5. Make sure the patient is **not** on the bed.
6. **Zero the scale** as follows:

NOTE: The scale must be zeroed before the patient is put on the bed.

a. Press the **Enable** control.

b. Press and hold the **Zero** control until **00.0** shows on the display (HOLD will show until 00.0 shows).

NOTE: After you release the Zero control, the display will flash CALC. Do not touch the bed until the display shows 0.0.

Weigh the Patient

NOTE: For a more accurate reading, make sure the patient is lying still and is centered on the mattress.
1. **A through F models**, press the **Enable** control. **G model and newer**, go to step 2.
2. Press the **Weigh** control. The bed shows the current patient weight on the display.

Change the Scale Units—Bed with the Bed Exit Alarm Silence Feature Only

The default units shown on the scale display is both pounds (lb) and kilograms (kg). To change the units to lb or kg only, do as follows:
1. Make sure the Enable control indicator is off.

2. Press the **Zero** control for approximately five seconds. And then, as you continue to press the **Zero** control, press the **Weigh** control until you hear a beep. The display will be in con-figuration mode with the current unit setting highlighted: lb only; kg only; or lb/kg.

3. Press and release the **Weigh** control to move through the settings. When you reach the applicable setting, release the control and wait until you hear a beep (approxi-mately ten seconds). The display will store the new configuration and exit the configura-tion mode.

NOTE: If you do not press the Weigh control within ten seconds, you will hear a beep to let you know that the selected configuration has been stored and the display is exiting configura-tion mode.

Bed Exit Alarm System

Patient Position   Bed Exiting

Out-of-Bed

Activate

1. Make sure the patient is **not** on the bed.
2. Zero the scale. See "Scale" on page 7.
3. Put the patient in the center of the bed and aligned with the hip locator.
4. Press the **Enable** control.
5. Press the applicable **Bed Exit** mode control. When the system beeps one time and the indicator stays on solid, the system is armed.

If the system does not arm, the system will beep rapidly for a few seconds and the selected mode indicator will flash. This means:

- The patient weight is outside these ranges: **A model**—70 lb to 500 lb (31.8 kg to 227 kg) **B model and newer**—50 lb to 500 lb (23 kg to 227 kg)
- The patient is not in the correct position.
- The system has malfunctioned.

NOTE: If a Bed Exit mode is active and the bed gets unplugged or the battery activated, the Bed Exit Alarm System will be **inactive**. When the bed is plugged in again, the Bed Exit mode will activate at the previous setting.

NOTE: When there is a Bed Exit alarm condition, the mode indicator flashes and an alarm comes on.

Deactivate

1. Press the **Enable** control.
2. Press any Bed Exit mode control until its indicator is off.

Turn Off the Alarm Sound

- **Bed without the Alarm Silence control**— you must deactivate the Bed Exit Alarm System.
- **Bed with the Alarm Silence control**—either deactivate the Bed Exit Alarm System, or use the Alarm Silence control to temporarily turn off the alarm sound.

Alarm Silence

While Bed Exit is alarming, press the **Alarm Silence** control until its indicator is on solid.

The system stays in Silence mode until the patient is on the bed and has met all the conditions to not cause an alarm for the current Bed Exit setting.

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

SafeView™ Alerts

When the bed is connected to AC power and the Bed Exit System is active, the Alerts show the safety condition of the bed as defined:

- Bed is in the low position.
- Siderails are up (as configured).
- Brake is set.

NOTE: If the head angle alarm is installed and active, it is included in the safe condition requirements.

Alerts Are On Green—Bed Exit is active, and the conditions shown above are met.

Alerts Flash Yellow—

- Bed Exit is active, and one or more of the conditions shown above are not met.
- Bed Exit is not active, the optional head angle alarm is active, and the head section goes below the specified angle.
- Bed Exit is in Silence mode (bed with the Bed Exit Alarm Silence feature).

Alerts Flash Yellow and Green—there is a technical problem with the Alerts. Call your facility-authorized maintenance person.

Alerts are Off—Bed Exit is not active, the Alerts have been deactivated, or the bed is disconnected from AC power.

30° Head Angle Alarm (G Model and Newer)

Activate

1. Raise the head section above 30°.
2. Press the **Enable** control.
3. Press the **Alarm** control until its indicator is on solid. The indicator stays on until the alarm is deactivated.

NOTE: When the bed operates on battery power and the alarm is set, if the head section goes below 30°, an audible alarm will come on and the alarm indicator will flash. The display on the control pod will be off.

Turn Off the Alarm

Raise the head section above 30°.

Deactivate

1. Press the **Enable** control.
2. Press the **Alarm** control until its indicator is off.

Bed
IntelliDrive®
Transport System

IntelliDrive® Transport System

1. Raise all siderails to the up and locked position.
2. Secure all equipment being transported with the bed (monitors, IV poles, and such).
3. Adjust the bed's position to make sure your view is unobstructed.
4. Unplug the bed power cord and, if installed, the auxiliary outlet power cord from their power source.
5. Set the **Brake/Steer** control to **Steer**

Steer

6. Hold one or both transport handles at the head end of the bed.

7. Press one or both of the **Enable** switches on the transport handles.

8. While you press the **Enable** switches, push the transport handles forward or pull them backward for the applicable direction.
9. To stop, release the handles.
10. If the bed is to be left unattended, set the brake.
11. Stow the handles and set the brake when the transport is complete.
12. Plug the bed into AC power.
13. To **deactivate** the IntelliDrive® Transport System, set the **Brake/Steer** control to **Neu-** tral or **Brake**, and plug the bed into an applicable power source.

Neutral   Brake

NOTE: In case of battery or motor power loss, press the electronic brake switch to the **Off** position to permit forward and reverse bed movement with a deployed, unpowered IntelliDrive® Transport System. The electronic brake switch is on the right side of the bed, near the foot pedal controls.

On/Off Switch

Page 10 of 16

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

NOTE: If the troubleshooting information shown below does not fix the problem, contact your facility-authorized maintenance person.

The Bed Does Not Work
Make sure the bed is plugged into AC power or the battery is active. For battery information, refer to "Battery Back-up" on page 4.

The Service Is Required (Wrench) Indicator Is On or Flashing
When the system determines the bed or treatment/therapy surface operation is not correct, the wrench indicator comes on solid (bed error) or flashes (treatment/therapy surface error). Contact your facility-authorized maintenance person.

The Bed Controls Do Not Work
• Make sure the bed is plugged into AC power or the battery is active.
• Make sure the lockouts are deactivated. See page 6 to deactivate them.

NOTE: If all lockout indicators and the service required indicator are on, contact your facility-authorized maintenance person.

The Bed Does Not Lower
Make sure of these:
• The bed is plugged into AC power or the battery is active.
• The Bed Down control is not locked out.
• The Bed Not Down indicator is not flashing.
• There is nothing between the upper frame and the base frame.
• There is nothing between the obstacle detect sensors on the base frame.
• The obstacle detect covers, located in the caster covers, are installed correctly.

The Foot Controls Do Not Work
Make sure of these:
• The bed is plugged into AC power **or** the battery is active.
• The lockouts are deactivated.
• You have enabled the foot controls. Refer to "Foot Controls" on page 4.

The Display on the Control Pod Is Off
Make sure the bed is plugged into AC power. When the bed operates on battery power, the display will be off.
NOTE: If the bed has the 30° Head Angle Alarm option and the alarm is set, if the head section goes below 30°, the audible alarm will come on and the Head Angle Alarm **indicator** will flash.

The Display on the Control Pod Flashes when a Weight Is Taken
The maximum weight the scale will show has been exceeded.

The Head Section Angle Appears to be much different than the Head Angle Display Shows (G model and newer beds)
Contact your facility-authorized maintenance person.

The Bed Exit Alarm Does Not Arm and All Three Mode Indicators Are Flashing
Remove the patient, and zero the Bed Exit system. See "Bed Exit Alarm System" on page 8.

Active Integrated Response® Treatment (AIR) Surface or P500 Surface

The controls for these surfaces are on the control pod. You must press the Enable control to use the surface controls.

NOTE: For a surface with Advanced Microclimate® Technology (AMT) (next-generation Low Air Loss), AMT operates continuously while the patient is on the bed. The surface should always be used with the AMT coverlet installed.

Pressure Relief/Normal

Activate

1. Press the **Enable** control.
2. Press the **Pressure Relief/Normal** control. An indicator will come on when the mode is active.

Max-Inflate

Max-Inflate mode causes the sleep surface to become very firm. After 30 minutes, if no other mode is selected, the surface automatically returns to the Pressure Relief/Normal mode.

NOTE: If the surface is in Max-Inflate mode and the bed gets unplugged, the surface will stay in Max-Inflate mode. When the bed is plugged in again, the surface will go into Pressure Relief/Normal mode.

Activate

1. Press the **Enable** control.
2. Press the **Max-Inflate** control. An indicator will come on when the mode is active.

Deactivate

1. Press the **Enable** control.
2. Press the **Pressure Relief/Normal** control.

Heel Relief

For the patient to get heel relief, extend or retract the bed foot section to align the patient's heels in the heel relief zone.

NOTE: The Foot Extend/Longer and Retract/Shorter controls are on the caregiver control panel.

Activate

1. **A through F models**, press the **Enable** control. **G model and newer**, go to step 2.
2. Press and hold the **Foot Extend/Longer** or **Retract/Shorter** control to move the foot section in or out.

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

Turn Assist

The turn assist bladder inflates and rotates the patient approximately 20°, which takes about 30 seconds. The system will hold the pressure for **ten seconds**. After ten seconds, an alarm sounds, the turn assist bladder deflates and returns to Pressure Relief/Normal mode.

NOTE: If a siderail is lowered during Turn Assist operation, a brief alarm will sound and the Siderail Not Up indicator will come on.

Activate
1. Make sure the head angle is **below** 25°.
2. Make sure the siderails are in the **up and locked position** on the side the patient is turning towards. Turn assist will not start until the siderails are up.
3. Press the **Enable** control.

4. Press the **Left Turn** or **Right Turn** control until its indicator is on solid.
5. **NOTE**: If the siderails are not in the correct position or the head section is not below 25°, an indicator will flash and an alarm will sound.

Deactivate
1. Press the **Enable** control.
2. Press the opposite Turn control, **Pressure Relief/Normal** control, or **Max-Inflate** control.

Left Turn

Right Turn

Pressure Relief/ Normal

Max-Inflate

Sleep Mode

The Sleep Mode is used to minimize the frequency of air system adjustments to allow patients who are sensitive to sleep surface movement to sleep. The air pressure in the mattress is monitored, but the air pump does not run unless the air pressure falls below or raises above a preset level.

Activate
1. Press the **Enable** control.
2. At the same time, press and hold the **Left Turn** and **Right Turn** controls for 5 seconds. After 5 seconds, the Left and Right Turn indicators will come on.

Deactivate
The bed will automatically return to Pressure Relief/Normal mode after 3 hours or 8 hours (on some bed models) or if it is necessary to adjust the mattress pressure.
or
1. Press the **Enable** control.
2. Press any air system control until its indicator is on solid.

NOTE: If the troubleshooting information shown below does not fix the problem, contact your facility-authorized maintenance person.

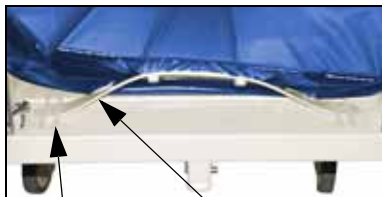## The Wrench (Service Is Required) Indicator Is On or Flashing

When the wrench indicator comes on solid or flashes, contact your facility-authorized mainte-nance person.

The Surface Does Not Inflate or Does Not Inflate Correctly

Make sure of these:
- The bed is plugged into AC power.
- The Service Is Required indicator is not on or flashing.
- You press the Enable control before you press the applicable mattress function.
- The surface has been put into Sleep mode; not turned off. If you press the Max-Inflate and the Normal/Pressure Relief controls at the same time, the surface will turn off. If the surface is off for an extended amount of time, the mattress could deflate.

- **To turn the surface on**—
  1. Press the **Enable** control.
  2. Press any surface control until its indicator is on solid.

  To activate Sleep mode, refer to "Sleep Mode" on page 13.
- The scale system is used correctly. If it is not used correctly, the surface may go into the non-operational safe mode (see "All Surface Mode Indicators are Flashing" on page 14). To make sure the scale system is used cor-rectly, refer to "30° Head Angle Alarm (G Model and Newer)" on page 9.
- The mattress retaining straps at the head and foot ends of the bed are installed in their retainers.

Retainer   Retaining Strap

Turn Assist Does Not Work

Make sure of these:
- The bed is plugged into AC power.
- The siderails that the patient is turning toward are in the up and locked position.
- The head section is below 25°.
- You press the Enable control before you press the applicable Turn Assist Mode con-trol.

All Surface Mode Indicators are Flashing

The patient should not be on the surface; the surface is in the non-operational safe mode.
1. Make sure the mattress hose connections are fully connected to the bed frame.
2. Reset the surface as follows:
   a. Press the **Enable** control.
   b. Press the **Normal/Pressure Relief** control until its indicator is on solid.
   c. If the surface does not reset, unplug the bed, wait 10 seconds, and then plug the bed in. The surface should go into the Normal/Pressure Relief mode.

For detailed Warning and Caution statements, and operating instructions, refer to the *VersaCare® Bed User Manual* (USR119 for A through J models; 161956 for K model and newer).

Evaluate patients for entrapment risk according to facility protocol, and monitor patients appropriately. Make sure all siderails are fully latched when in the raised position. Failure to do either of these could cause serious injury or death.

Relative Contraindication for beds with a treatment/therapy surface—use of active therapy surfaces with patients with unstabilized spinal cord injury could cause serious injury to the patient.

Beds with the Boost® Position System—do not use the Boost® function if there are concerns of spinal instability. To do so could cause patient injury.

We recommend that you do not transport a patient when the bed is in the Chair or Boost® positions. And, use caution if you transport a patient when the bed is in the Trendelenburg or Reverse Trendelenburg positions.

IV pole use—the head-end equipment sockets do not move up and down with the sleep deck. Use applicable precautions with gravity-sensitive devices such as ventricular drains or lumbar drains before, during, and after you operate the bed functions. Make sure flow rates on all gravity-fed IVs are correct after you adjust the bed height. Failure to correctly manage patient equipment could cause patient injury.

Make sure the bed is in the low position when the patient is unattended. This can reduce the possibility of patient falls and the severity of any resultant injuries.

NOTE: Whenever the bed is not in its low position, the Bed Not Down indicator will be on.

Bed with an auxiliary outlet—do not plug both power cords into the same wall receptacle. Plug the power cords into different receptacles on separate circuits. Failure to do so can cause equipment damage or tripping of facility power breakers. Do not use the accessory receptacle for life support equipment. Plug life support equipment directly into facility power supply.

Beds with the IntelliDrive® Transport System—if the bed moves forward or reverse unintentionally, contact your facility-authorized maintenance person. Failure to do so can cause personal injury or equipment damage.

Beds with the Line Managers—do not use the Line Manager for ventilator circuits. To do so could cause patient injury.

Warnings and Contraindications

Patient Characteristics

Patient Weight	500 lb (227 kg) maximum
Safe Working Load (includes patient weight, mattress, IV pumps, poles, bags, traction equipment, and such)	550 lb (250 kg)
Active Integrated Response® Treatment Surface (manufactured before January 1, 2010)—Patient Characteristics	500 lb (227 kg) maximum 475 lb (215 kg) maximum for effective pressure redistribution Width up to 35" (89 cm), and a height between 57" and 84" (145 cm to 213 cm).
P500 Surface and Active Integrated Response® Treatment Surface (manufactured after January 1, 2010)—Patient Characteristics	500 lb (227 kg) maximum Width up to 35" (89 cm), and a height between 57" and 84" (145 cm to 213 cm).

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