HOVEROUND[®]

Personal Mobility Solutions

TEKNIQUE® Power Wheelchair



TEKNIQUE FWD



TEKNIQUE XHD

ATTENTION:

Please read the content of your owner's manual before operating your power wheelchair.

OWNER'S MANUAL AND WARRANTY



TEKNIQUE HD-6

D82007778 Rev T 7/18

Special Notes

Signal words are used in this manual and apply to hazards or unsafe practices that could result in personal injury or property damage. Refer to the table below for definitions of the signal words.

SIGNAL WORD	DEFINITION
⚠ WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.
NOTICE	Indicates a hazardous situation that, if not avoided, may result in property damage.

In addition, some information is highlighted with the word "Note." Notes usually contain information regarding troubleshooting the power wheelchair when an indicator or fault light appears.

Using the Hoveround® product safely depends upon your diligence in following the warnings, cautions, and instructions in this owner's manual. Hoveround is not responsible for injuries and/or damage resulting from any person's failure to follow the warnings, cautions, and instructions in this owner's manual. Hoveround is not responsible for injuries and/or property damage resulting from any person's failure to exercise good judgment and/or common sense.

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Specifications and equipment are subject to change without notice.

Dear Teknique® Owner,

Congratulations on your choice of the Hoveround® Teknique to fulfill your personal mobility needs.

The Teknique has the same innovation of design that is the hallmark of our company. It is compact yet very stable; attractive yet rugged; simple yet functional; gentle yet powerful; and above all, the Teknique provides an outstanding level of maneuverability.

We believe that the Teknique will afford you reliable, comfortable transportation for years to come. Should you have questions or concerns, our customer service personnel are a toll-free call away.

Welcome to our family, and thank you for choosing the Teknique.

Happy motoring.

Thomas E. Kruse President & Founder

Hoveround® Corporation

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Introduction

Hoveround® Corporation is a home medical equipment provider dedicated to serving people with mobility needs. Our reputation for service and our concern for our clients assures the highest standards of professionalism available.

At Hoveround, we know that clients are happier and progress faster when they can convalesce in familiar home surroundings. Our goal is to be an active participant in making that a reality. Our staff consists of dedicated professionals who take exceptional pride in the products and services they provide. These include mobility specialists, factory trained technicians and skilled customer service personnel.

Whenever your mobility needs require special attention and equipment delivered with an extra measure of care and concern, you can count on Hoveround.

Service

Service is our commitment to our clients, and their continued mobility is our priority. In the event that you need assistance with your Hoveround, our Service Representatives are just a phone call away.

Just call Hoveround Technical Support and Repair, toll free at 1-800-96-HOVER (1-800-964-6837).

General Warnings and Intended Use Before You Use Your Teknique®

Before You Use Your Teknique

The Hoveround® Teknique is a battery-operated motorized vehicle. The operation of the power wheelchair requires you to exercise caution and consideration for your personal safety and the safety of others around you. Never modify your wheelchair, and do not use accessories other than those developed for use specifically with your Hoveround Teknique power wheelchair. Information about the design of ramps appropriate for wheelchair access for your home are contained in guidance from the Americans with Disabilities Act, which can be located at http://www.access-board.gov/adaag/html/adaag.htm.

The lists below detail some important safety warnings. Please read this entire manual thoroughly, and follow all warnings and instructions to avoid serious injury or death. Call toll free 1-800-96-HOVER (1-800-964-6837) if you require further assistance. Your "Safety and Training video" illustrates many of the concepts in the manual. Keep your manual to refer to when needed.

MARNING

To avoid serious injury or death:

- 1. Always use the seat belt.
- 2. **Always** ensure that the power is **OFF** before getting into and out of the seat.
- Always set the joystick/controller speed/response control
 to be consistent with the surrounding environment. In
 confined spaces and while learning to drive your power
 wheelchair, we recommend that the speed/response control
 be set to minimum.

MARNING

Stop using your power wheelchair immediately, and call for assistance if:

- Your power wheelchair is not working correctly.
- Your seat belt does not latch or stay latched.
- You are taking medications, drugs, or alcohol that affect your ability to safely drive.
- Your skin develops any redness, irritation, ulcers or other symptoms on your thighs, legs, feet or buttocks. Contact your physician immediately.
- Your medical condition changes in any way that prevents you from operating your power wheelchair safely.
- Your weight exceeds 300 pounds, the weight capacity of your Hoveround Teknique FWD, Hoveround Teknique RWD, or Hoveround Teknique GT power wheelchair.
- Your weight exceeds 450 pounds, the maximum weight capacity of your Hoveround Teknique XHD power wheelchair.
- Your weight exceeds 600 pounds, the maximum weight capacity of your Hoveround Teknique HD-6 power wheelchair.

M WARNING

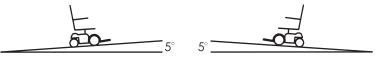
To avoid serious injury or fatality from sudden unexpected movement of the chair or contact with moving parts and other objects:

- Keep your hands, legs and feet away from moving wheels.
- Do not use your power wheelchair with bare feet.
- Do not wear loose clothing or jewelry. For example, a loose bathrobe sleeve or bracelet can accidentally get caught in wheels or catch and move the joystick causing the power wheelchair to move unexpectedly.
- Do not allow objects to hang from any part of your power wheelchair that could get tangled in the wheels.
- Do not hold objects such as leashes, shopping bags, purses, etc. that could get tangled in the wheels.
- Before getting into or out of your chair, press the power button to OFF and lock the seat swivel and return the seat back to the upright position.
- When seated in a stationary chair, press the power button to OFF.

M WARNING

To reduce the chance of serious injury or death from tip-over, collision with obstacles and other people, loss of control, or falling from the power wheelchair, **drive in proper environments** such as typical indoor areas with level, dry floors with adequate structural support, and outdoor concrete, asphalt, compacted soil, gravel and surfaces that are level and dry:

- Do not drive across or sideways on a ramp or slope; go straight up or down.
- Do not attempt to drive on a slope in reverse.
- Avoid ramps and slopes that are too steep, such as those that exceed 5 degrees. For example, a 12-inch ruler with one end raised 1 inch will have a 5 degree slope (See the video for example).



- Avoid uneven or unstable surfaces such as potholes, broken pavement, grass, gravel, sand, wet leaves or cut grass.
- Never attempt to drive a power wheelchair off or up onto a curb, stairs higher than 2.0 inches, or an escalator.
- Avoid slippery surfaces such as ice, oily, polished, and/or treated surfaces.
- Secure or remove any loose rugs or carpets and remove obstacles from the travel paths in your home.
- Drive slowly over thresholds and when traveling from one type of surface to another.
- Do not operate the power wheelchair in conditions such as rain, standing water, sleet, slush or snow.
- Do not sit in your power wheelchair while riding in a motor vehicle, even if the chair is secured to the vehicle and you are using the chair's seat belt.
- We strongly recommend that you do not remain seated in your power chair while traveling in a motor vehicle. The power chair should be stowed in a trunk of a car or in the back of a truck or van with batteries removed and properly secured. In addition, all removable power chair parts, including the armrests, seat, front riggings, controller, and shrouds should be removed and/or properly secured during motor vehicle transport.

MARNING

To avoid serious injury or death from being struck by a motor vehicle, when **driving your power wheelchair near traffic:**

- Obey all local **pedestrian** traffic rules.
- Cross roads at locations where you are most visible to motor traffic, if possible at a light-controlled pedestrian crossing with handicapped cutouts.
- Cross the road by the most direct route.

MARNING

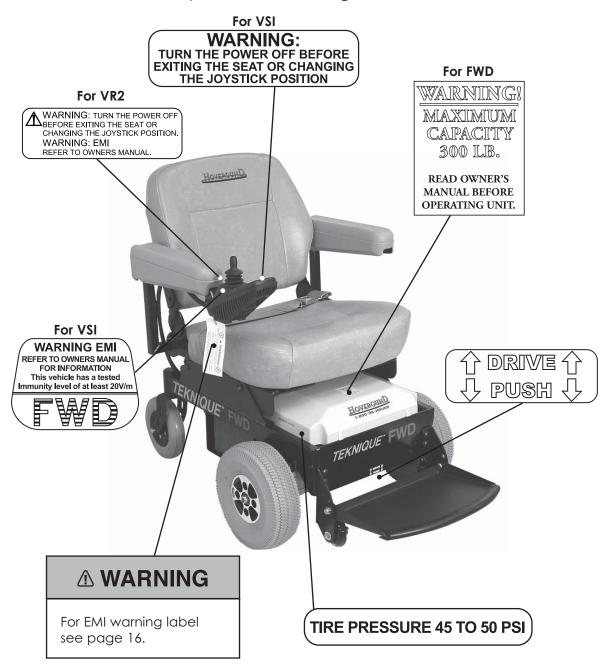
To reduce the chance of serious injury or death from tip-over, collision with obstacles, loss of control, or falling from the power wheelchair, **keep yourself properly positioned in the seat:**

- Keep your seat belt fastened.
- Drive with the seatback only in a fully upright, locked and forward facing position.
- Keep your back against the seatback, arms on the armrests, and your feet on the footplate.
- Do not reach over the back of the chair or lean excessively forward or sideways.
- Do not push, pull, or lean on the folding seat back if it has not been locked into place with the seat locking screw.
- Do not carry passengers or cargo.
- Do not stand on footplate. Do not put weight on footplate, armrest or controller while getting into or out of the power wheelchair.

Hoveround® Teknique® - Diagram



Hoveround® Teknique® FWD Warning Labels



Hoveround® Teknique® XHD and HD-6 Warning Labels



Hoveround® Teknique® RWD and GT Warning Labels





A WARNING!



Radio wave sources, such as radio stations, TV stations, amateur radio (HAM) transmitters, two way radios and cellular phones can affect powered wheelchair controls.

- If unintended movement or brake release occurs, turn the power wheelchair OFF.
- This product has an immunity level of 20 V/m with no accessories connected to the device.
- For more information refer to the instructions in the owner's manual supplied with this product. For additional copies please call Hoveround Technical Support at 1-800-96-HOVER (1-800-964-6837).

EMI, Warning Label

SERIAL NUMBER LABEL (LOCATED ON REAR OF CHAIR)

Hoveround Corporation (941) 739 6200

111111

Model



DOM K 12

Serial Number

DOM = Date of Manufacture Code

<u>Month</u> <u>Year</u>

A = Jan 12 = 2012

B = Feb

C = Mar

D = Apr

E = May

F = June

G = July

H = Aug

J = Sept

K = Oct

L = Nov M = Dec CS 202 Walling State Sta

Serial Number Label Placement

Chapter 1 Operating Instructions

MARNING

- Sudden change in motion, loss of control, or tip-over may cause a collision or fall from the seat and result in serious injury or death.
- Always make sure that the power is OFF before getting into or out of the seat.
- Always fasten seat belt to maintain proper positioning in the seat. Set speed/response control of joystick to minimum while learning to drive the power wheelchair.

Entering Your Teknique®

- 1. Be sure the power is turned "OFF" before entering or exiting your Hoveround. To locate the "ON/OFF" button on your joystick controller, see the section on your joystick Controller (page 20) to identify the type of controller on your power wheelchair.
- 2. Flip up the footplate or swing away legrests.



FWD, XHD and HD-6 footplate down



RWD and GT with legrests in place



FWD, XHD and HD-6 footplate up



RWD and GT with legrests swung away

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MARNING

Standing on the footplate increases the chances of a fall or tip-over of the chair and can result in serious injury or death. Be sure to secure footplate in upright position and place both feet firmly on ground when getting into or out of the seat.

- 3. Get into the seat using the transfer method recommended by your Health Care Professional.
- 4. Fasten the seat belt.
- 5. Move the footplate down and position your feet on the footplate.

Driving Your Teknique® Power Wheelchair

MARNING

- Sudden change in motion, loss of control, or tip-over may cause a collision or fall from the seat and result in serious injury or death. Always make sure that the power is OFF before getting into or out of the seat.
- Always fasten seat belt to maintain proper positioning in the seat. Set speed/response control of joystick to minimum while learning to drive the power wheelchair.

MARNING

Driving with the seatback reclined makes it difficult to see where you are going and increases the chance of serious injury or death from collision and tip-over. Do not attempt to drive this power wheelchair with seatback reclined.

- With the power turned OFF, hold the joystick and move it to determine the limits of movement. Observe that, when released, the joystick returns to center (neutral). See page 20 to identify the type of controller on your teknique.
- 2. Allow plenty of space to test drive your power wheelchair.
- 3. With the joystick in the center position (neutral), turn chair power on. Check battery gauge for adequate battery capacity.
- 4. Set the Speed/Response Control to the lowest level.

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⚠ WARNING

To avoid serious injury or death from a fall or collision, set speed/response control for the environment and your skill level. Set control to minimum if you are a less experienced driver or are in a confined space.

- 5. Gently move the joystick forward. A "click" will be heard as the controller releases the motor brakes and your power wheelchair will move slowly forward. Observe that if the joystick is released, the lever will return to center (neutral) and the power wheelchair will stop. Note that when the chair stops, another "click" will be heard as the brakes are automatically engaged.
- 6. Move the joystick lever fully right. The chair will move in a circle to the right. Moving the lever fully left will cause the chair to circle to the left.

NOTE If the status indicator is flashing, the controller has sensed a fault condition. Refer to the fault code section of Appendix B (page 53) to determine the cause of the fault. The power wheelchair will not respond to move commands if a fault condition is sensed.

- 7. Gently move the joystick lever backward, and the chair will move slowly backward. Note that the backward movement is about half the speed of the forward movement.
- 8. If you move the joystick lever gently back and to the right, the chair will move backward to the left. If you move the joystick gently back and to the left, the chair will move backward to the right.
- 9. Learn the characteristics of your power wheelchair and the limits of your own driving ability before attempting to drive at higher speed settings.
- 10. As your skill increases, you may want to increase the Speed/Response Control. For each increase of the Speed/Response Control, be sure you practice several stops until you get used to the new stopping distance.

M WARNING

Driving on soft and/or uneven surfaces increases the chances of a collision or fall from the seat due to loss of control or tip-over and can result in serious injury or death. Avoid driving on these surfaces.

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NOTE If the joystick is not in the center position when the controller is turned on, a fault condition is indicated. Return the joystick to center. If the chair does not move, reset the control by turning the power off and then on.

Joystick Controller

All the controls and indicators necessary to drive your Teknique are located on the joystick controller. Your Teknique may be equipped with one of the following joystick controllers.

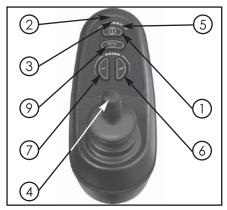


Figure 1A - VR2



Figure 1B - Pilot

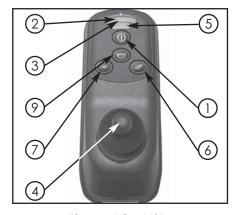


Figure 1C - VSI

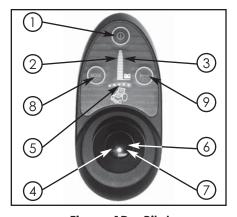


Figure 1D - Pilot +

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Joystick Controller

All the controls and indicators necessary to drive your Teknique are located on the joystick controller. See Figures 1A - 1D (page 20) to identify your controller.

- 1. **ON/OFF** Press to turn the system on and off.
- System Status Indicator Steady illumination means all systems are functioning properly. A flashing display indicates an error is present or the controller is locked. Refer to Appendix B (page 53) for error codes and troubleshooting information.
- 3. **Battery Gauge** Shows how much battery charge is remaining. All lights lit means full charge. Recharge as often as possible.
- 4. **Joystick** Controls speed and direction. The further you push, the faster you go. To prevent an error code, do not push the joystick at the same time you turn the power on.
- 5. **Speed/Response Indicator** (if so equipped) Indicates the currently selected speed by the number displayed or the number of lighted segments. (If the number 5 is displayed or when all lights are lit, or knob is fully clockwise, you are at top speed.)
- 6. **Speed Up** Pressing the button increases speed.
- 7. **Speed Down** Pressing the button decreases speed.
- 8. **Mode (Pilot+ only)** Press to select the desired mode of operation drive, speed or power options. In speed mode, move the joystick right to increase setting, left to decrease. Press mode or move the joystick forward to lock the setting.
- 9. Horn Button Press to make the horn sound.

Additional Features

Locking Feature – Locks the controller. Refer to Appendix C (page 55) for operating instructions.

Sleep Mode – Your chair will either power down or go off if left idle for 5 minutes. The system indicator may blink or the controller will completely power off. Push the ON/OFF button twice to restart.

Fast Braking – The controller has a fast-brake system. To stop quickly move the joystick from the forward position to a full reverse position and release the joystick. This will cause the power wheelchair to stop more quickly.

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Chapter 2 Batteries And Charging

Caring For Your Batteries

MARNING

- Completely read and follow all warnings about the batteries in this user instruction manual and any labels applied to the product. Failure to do so could result in fire, explosion, injury and/or death.
- Batteries contain sulfuric acid. Use extreme care when handling batteries. To prevent serious burn injury, use proper protective gear such as gloves and safety glasses when handling batteries.
- Battery posts contain lead. The battery contains corrosive chemicals and gases. ALWAYS wash your hands after handling any part of the battery.
- Batteries are heavy. Use proper lifting and handling practices to prevent dropping, pinching or lifting-related injuries.
- Batteries emit explosive gas DO NOT smoke or have open flame around batteries. Operate your power wheelchair in well-ventilated areas only.
- When handling and/or working on batteries, do not allow metal objects such as tools, jewelry, trunk lids, and toolboxes to touch the battery terminals as it can cause explosive sparks or fire.
- ALWAYS make sure the protective terminal covers are installed and all battery connections and screws are tight before using your power wheelchair.
- ALWAYS store batteries in an upright position.
- ALWAYS use batteries of the same type and capacity for this power wheelchair.

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M WARNING

- Do not connect any devices, medical or otherwise, to the batteries or electrical system except those supplied by Hoveround[®].
- NEVER attempt to open a sealed battery.
- NEVER use a battery that has been frozen or might have been frozen.
- NEVER connect life support systems or auxiliary devices to your wheelchair battery. The electrical system may fail and cause severe injury and/or death.

A CAUTION

- Do not leave the battery charger connected to a power source when not charging.
- Do not let your batteries run down.

Battery Replacement

When it becomes necessary to replace batteries, consult with Hoveround Technical Support 1-800-96-HOVER (1-800-964-6837). We will install the correct replacement battery to ensure the proper operation of your power wheelchair.

The batteries supplied by Hoveround are of the sealed-type that require no maintenance. These batteries are classified as "wet - non - spill" and may be transported by air, land or sea.

WARNING

- ALWAYS refer to the supplied wiring diagram located on the base of your power wheelchair when installing the batteries.
- ALWAYS install and use the correct fuse as specified on the battery label. This will prevent battery and wire overload.
- ALWAYS dispose of batteries in accordance with EPA regulations.

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Charging Your Batteries

Your power wheelchair is equipped with one of several different chargers. Please follow the operating instructions for the appropriate charger. The recharging time for the batteries will vary based on the amount of use the chair has had. It may take up to 8 hours for a full recharge.

We recommend an overnight charge after the day's use of your power wheelchair.

MWARNING

- ALWAYS use the charger and connectors supplied with your Hoveround® power wheelchair.
- ALWAYS charge your power wheelchair in a well-ventilated area free of any sparks, high heat or open flame. Explosive gas is emitted during the charging process.
- ALWAYS use a grounded,120-volt household power outlet.
- DO NOT use the charger outdoors or in areas unsheltered from the weather.
- DO NOT expose the charger to moisture such as rain, sleet or snow.
- DO NOT plug in battery charger within 10 feet of an oxygen concentrator or oxygen cylinders.
- DO NOT plug the battery charger and oxygen concentrator into the same electrical outlet.
- DO NOT attempt to repair or open the charger.
- DO NOT connect the charger to a 240-volt power source.
- DO NOT use the charger if the cables or connectors are damaged. Cables and connectors can be damaged by:
 - Traveling over the cable or connectors.
 - Yanking the cable out of the wall outlet or chair.
 - Pinching the cable.
 - Handling sharp objects such as knives and/or scissors in close proximity to the cable or connectors.

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MARNING

- DO NOT use extension cords to power the charger.
- DO NOT connect the charging cables directly to the battery.
- ONLY USE to charge AGM sealed lead acid batteries.
 Do not attempt to charge any other type of battery or any non-rechargeable type of battery.
- DO NOT attempt to use the charger as a DC power source for any electrical or other equipment.
- DO NOT attempt to charge a frozen battery.
- 1. Select a clean, dry, cool, well ventilated area to use the charger.
- 2. If your charger is equipped with an on/off button, ensure that the charger is in the OFF position, along with the joystick controller in the OFF position.
- 3. Connect the charger output cord into the charger port located on the front of the joystick controller. Refer to Figure 2A below. Align the three pins on the plug with the three holes on the port and push the plug in place. Make sure the plug is fully seated in the charger port. If it is not pushed all the way, the batteries will not charge or the plug may become hot.



Figure 2A - Charger Port, Typical Location

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- 4. Plug the AC power cord into the back of the charger.
- 5. Plug the other end of the AC power cord into a 120-volt grounded household power outlet.
- 6. Follow the specific instructions for your charger (see below).
- 7. When the batteries are charged, and/or you are ready to use the chair:
 - A. If your charger is equipped with an on/off button, turn OFF the power switch on your charger.
 - B. Unplug the charger from the household power outlet.
 - C. Unplug the charger from the joystick controller.

If you have a:

Flying Power FY-4101 Charger

- 1. Switch the power on. A light will illuminate on the output side of the charger, indicating power is available. If the light does not go on, please check to make sure the household power is working.
- 2. If the light is red, the batteries are charging.
- 3. When the light is green, the batteries are charged.
- 4. If the batteries do not appear to be fully charged and the green light is on, check to make sure the charger has been properly plugged into the controller charging port and the batteries are connected.

UPG 24BC5000TF-1 AGM sealed lead acid Charger

- Switch the power on. Two red lights will illuminate on the output side
 of the charger indicating the power is on, the charger is in the
 charge mode and the cable is fully plugged into the controller. If
 only one red light is on, check to make sure the charger is plugged
 fully into the controller. If no lights are on, please check to make sure
 the household power is working.
- 2. When two red lights are on, the batteries are being charged.
- 3. When one red and one green light is on AND the cord is fully plugged into the controller, the batteries are charged.

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Chapter 3 Manual Brake Release Levers

On occasion it may be necessary to push your Hoveround® power wheelchair. Each motor has a manual brake release lever. Refer to Figure 3A below to locate the manual brake release levers on your power wheelchair.

⚠ WARNING

- Always verify that the manual brake release levers are in the full "up" (engaged) position before getting into or out of the seat.
- •Releasing the manual brakes (down position) allows power wheelchair to be pushed or roll on its own on a slope. Releasing the manual brakes when caregiver is not present or while on an incline increases the chance of a fall from the seat or a collision, and can result in serious injury or death.

The levers move downward to release the brake on the motor. When both manual brake release levers are released, and the power is turned OFF, the chair can be pushed. When only one manual brake release lever is released, your power wheelchair cannot be driven. An error code will appear when attempting to operate your power wheelchair when the brakes are released. Push both manual brake release levers upward to re-engage the brakes.

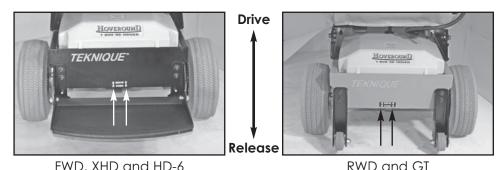


Figure 3A - Manual Brake Release Levers

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Chapter 4 Seating and Pressure Relief

M WARNING

- Unintentional or unexpected motion increases the chances of a collision or fall from the seat and can result in serious injury or death. Press the power button to OFF before making any adjustments to your power wheelchair.
- Driving with the seatback reclined makes it difficult to see where you are going and increases the chance of serious injury or death from collision and tip-over. Do not attempt to drive this power wheelchair with seatback reclined.

A good driving posture is necessary for both comfort and safety. You must have a clear line of sight ahead of your power wheelchair, a good view of the joystick/controller and comfortable hand access to the joystick and speed/response control.

MARNING

- Inspect all areas of the skin in contact with power wheelchair daily. Discontinue use and contact physician at signs of skin irritation or discomfort.
- Do not use power wheelchair until evaluated and instructed to do so by a qualified clinician.
- Improper seating position can lead to skin lesions or ulcers.
 Individuals with diabetes or other neurological sensory deficits are at increased chance of injury due to prolonged sitting or improper positioning.

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Seat Belt Adjustment

MARNING

- Always fasten seat belt to maintain proper positioning in the seat and avoid injury.
- Replace seat belt immediately at first signs of wear or improper latching.

To fasten the seat belt, push the metal tab into the buckle until it clicks. To release the seat belt, push the release button in the center of the buckle.

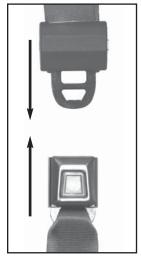


Figure 4A
Fasten Seat Belt



Figure 4B Release Button

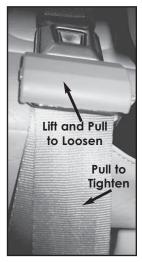


Figure 4C Seat Belt Tension Adjustment

To adjust the belt tension, lift the buckle to loosen or pull the strap to tighten the tension of the seat belt to a comfortable position.

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Arm Angle Adjustments

The seat arms have angle adjustments to suit your driving and comfort requirements.

To adjust the arm angle on the seat arms, lift the arm and locate the adjustment bolt near the pivot point. Refer to Figure 4D below.

Use the supplied 1/4 inch hex wrench to make the adjustment. Turn the screw clockwise to lower the arm and counter clockwise to raise the arm.



Figure 4D

Controller Position Adjustment

You can adjust the position of the controller by lifting the arm and loosening the socket head cap screw closest to the controller.

Slide the controller bracket to a comfortable position and secure the screw. Make sure the screw is clear of the removal key opening (see Figure 9A, page 45) in the bracket before tightening.



Hex-Wrench



Figure 4E

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Arm Width Adjustment

The standard seat has arm width adjustment (Figure 4F and 4G). To adjust the arm width:

- 1. Locate the two knobs and two set screws on the square tube at the rear of the seat.
- 2. Loosen the knobs and set screws.
- 3. Move the arms to a comfortable width. Make sure the tubes do not extend beyond the set screws.
- 4. Tighten the knobs and set screws.



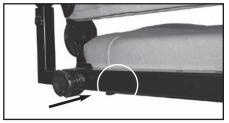


Figure 4F

Figure 4G

Arm Height Adjustment

If arm height adjustment is required an arm raising and lowering kit is available (Figure 4H). To adjust the arm height:

- 1. Locate the set screw on the back of the arm tube upright.
- 2. Loosen the screw and adjust the arm to a comfortable height.
- 3. Tighten the screw.

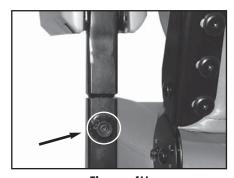


Figure 4H

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Adjusting The Seat Position

Seats with side mounting brackets can be adjusted forward, rearward and up or down.

To raise or lower the seat

- 1. Locate the hex head or socket head bolts on the side brackets below the seat. Loosen, but do not remove the rear bolts. Loosed and remove the front bolts. (See Figure 4N, below).
- 2. Slide the seat back and reposition the rear bolts in the desired slots. Line up the front holes and reinstall the front bolts. Tighten all bolts securely.

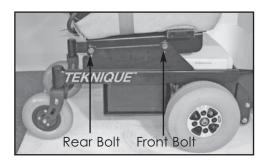


Figure 4N - Seats With Side Rail Mounting

To move the seat forward or backward

- 1. Determine the amount the seat needs to be moved.
- 2. Remove the controller from the arm (See page 45).
- 3. Remove the front bolts and loosen the rear bolts. Slide the seat back until the slots are cleared and remove the seat.
- 4. Locate the four bolts that hold the seat brackets to the base.
- 5. Remove the bolts and reposition the brackets by the desired amount. Align the bracket holes to the frame holes.
- 6. Reinstall the seat bracket bolts.

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Seat Back Angle Adjustment

The seat back has fixed positions to select from (Figure 41). To change the back angle position:

- 1. Locate the screw and nut on the left hinge and right hinge.
- 2. Remove the screw and nut and place the back in the desired angle position. Make sure the holes in the outer hinge and inner hinge brackets line up for the desired angle.
- 3. Re-install the screws and nuts into the new location and tighten securely.

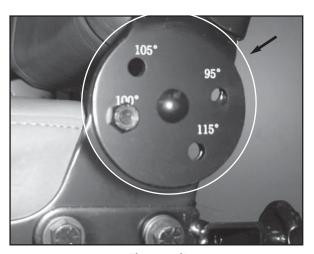


Figure 4I

MARNING

The seat back will fold forward when pushed from the rear or pulled from the front. Always use caution when pushing from the rear or leaning on the seat back as it may cause the user to fall, resulting in serious injury or death. If the chair must be pushed from the back, push or pull on the arms or another solid surface.

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Locking the Seat Back

The seat back will fold forward when pushed from the rear or pulled from the front (Figure 4J). If you prefer to have the seat back locked into place and stationary; screws and a hex key have been provided with your Hoveround to lock the seat back.



Figure 4J

- 1. Locate the holes on each side of the seat back frame above the angle adjustment hinge. (Figure 4K)
- 2. Insert the button head cap screws, one each side of the seat back. Tighten with the 5/32" hex key. (Figures 4L and 4M)







Figure 4K

Figure 4L

Figure 4M

Reclining Back Seat (May require medical necessity)

MARNING

Driving with the seatback reclined makes it difficult to see where you are going and increases the chance of serious injury or death from collision and tip-over. Do not attempt to drive this vehicle with seatback reclined.

The optional reclining seat will recline to nearly flat (83 degrees). See Figure 4P and 4Q below:





Figure 4P

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Figure 4Q

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M WARNING

 Never attempt to adjust the seatback without the assistance of a family member or caregiver as the seatback is spring-loaded and can drop backwards or spring forward as soon as the lever is released.

Seatback Adjustment for 17", 19" and 22" Reclining Back SeatsTo recline the back, determine which type of seat lever you have.
See Figures 4R and 4S below.

- The seatback is spring loaded. Before attempting to adjust the
 reclining back angle, always have a family member or caregiver
 firmly hold the seatback in place BEFORE releasing the lever. DO NOT
 attempt to adjust the seatback without assistance as the seatback
 will move as soon as the lever is released.
- 2. **If your recline lever looks like FIGURE 4R** PUSH DOWN on the lever to release the latch. With the assistance of a caregiver, position the seatback in a comfortable position. LIFT UP on the lever to lock the seatback in position.
- 3. **If your recline lever looks like FIGURE 4S** PULL UP on the lever to release the latch. With the assistance of a caregiver, position the seatback in a comfortable position. PUSH DOWN on the lever to lock the seatback in position.

MARNING

- The seatback can drop backward when the "recline lever" is not locked.
- To avoid a fall from the seat, always make sure the "recline lever" is in the locked position before applying weight to the seatback or arms.

Lift up to lock

Push down to release



Figure 4R



to release

Pull up

Push down to lock

Figure 4S

Chapter 5 Anti-Tip Wheels

Mounted to the front or rear of the frame, anti-tip wheels protect against the unit tipping in the unlikely event of an abrupt stop or start (See Figure 5A below).

MARNING

Do not remove Anti-Tip wheels.



Figure 5A RWD and GT Anti-Tip Wheels (Rear Wheel Drive Shown)

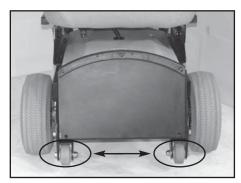


Figure 5A
FWD, XHD and HD-6
Anti-Tip Wheels
(Front Wheel Drive Shown)

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Chapter 6 Footrests and Legrests

When your thighs rest on the seat cushion, your feet should comfortably rest on the plate(s) of the footrest/legrests. You can make several adjustments to maximize safety and comfort. In addition, a bracket mounted to the underside front of the seat accommodates swing-away legrests.

Flip-Up Style Footrest (FWD, XHD and HD-6 models only)

 You can adjust the flip-up style footrest angle from 0 to 15 degrees. To adjust, locate the set screws in each corner of the frame bracket and move them in or out until you have found a comfortable foot position. Adjust screws using the supplied 1/4" hex wrench. To prevent binding, make sure the heads of the screws touch the footrest at the same time (See Figure 6A below).



Figure 6A - Footrest Adjustment Screws

- 2. Set footrest tension by tightening or loosening the right hand pivot bolt with the nylon washer.
- 3. Change the footplate height by using the upper or lower mounting holes on the sides of the anti-tip brackets.

Legrests

- 1. Install each legrest onto the appropriate hanger bracket and swing into the forward facing position. If your chair has elevating legrests, set the angle to the lowest position.
- 2. Fold down the foot plates. Your feet should comfortably rest on the plates without a tendency to lift your thighs from the seat cushion.
- 3. If length adjustment is necessary, loosen the bolt at the base of one of the legrest stems by two complete turns (1/2" wrench required). Tap the head of the bolt to loosen the inner tube from the outer tube (See Figure 6B below).
- 4. Slide the lower (inner) tube within the upper (outer) tube to achieve the correct legrest length. Tighten the bolt.
- 5. Repeat steps 3 and 4 for other legrest.

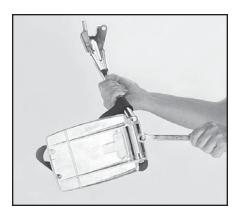


Figure 6B - Legrest Adjustment

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Chapter 7 Options and Accessories

To obtain information or pricing on accessories, contact HOVEROUND® CORPORATION at 800-96-HOVER (800-964-6837).

Optional Tie-Down Brackets

When transporting the Teknique® in a motor vehicle, your wheelchair must be adequately secured within the motor vehicle. Optional tie-down kit is available. Please contact Hoveround for additional information.

Optional tie-down kit is intended for the wheelchair security, it is not intended to secure the rider.

MARNING

To reduce chance of serious injury or death due to a fall from the seat, do not sit in your power wheelchair while riding in a motor vehicle even if the chair is secured to the vehicle and you are using the chair's restraint.

Optional Power Seat Lift (PSL)

M WARNING

To reduce chance of serious injury or death due to a fall from the seat, do not operate optional power seat lift unless you are on a flat, hard, level surface.

Press either seat symbol button to activate the PSL mode (See Figure 7A below). When the indicator light is lit, move the joystick forward to raise the seat, back to lower. The Teknique will not drive while seat is raised and light is on. When seat is fully down, press either button to restore drive mode. Your power wheelchair contains a lock-out feature that prevents driving when the seat is in the raised position.

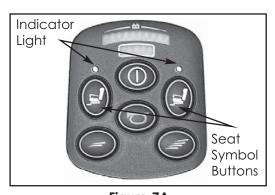


Figure 7A

Optional Reclining Seat

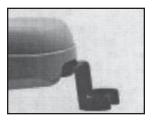
MARNING

Driving with the seatback reclined makes it difficult to see where you are going and increases the chance of serious injury or death from collision and tip-over. Do not attempt to drive this vehicle with seatback reclined.

The optional reclining seat will permit the seatback to recline approximately 45 degrees. Adjustment of the seatback angle is described on page 34 Chapter 4.

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Accessories



Cane Holder



Crutch Holder



Beverage Holder



Elevating Legrests



Power Chair Lift



Oxygen (Round)



Oxygen (Square)



Seat with Pan



Seat with Pan and Cushion

Chapter 7

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Step & Threshold Ramps

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Chapter 8 Routine Maintenance

Service and maintenance are very important to ensure the performance and the safe operation of your power wheelchair.

Service

Please contact Hoveround® Technical Support at 1-800-96-HOVER (1-800-964-6837) for any service or maintenance needs.

MARNING

Stop using your power wheelchair immediately, and call for assistance if:

- Your power wheelchair is not working correctly.
- Your seat belt does not latch or stay latched.

MARNING

- Safe and effective use of your power wheelchair is dependent on proper maintenance, including cleaning.
- Always perform the operator performance and maintenance checks that are detailed in the maintenance section of this manual.
- Do not perform any maintenance without first disconnecting the batteries.
- Do not modify your power wheelchair in any way. Modification or tampering will void the warranty and may cause the vehicle to malfunction and expose you to physical harm.

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Owner Maintenance

Daily

- Check drive tires.
- Charge batteries (or as required).
- Check that the seat belt latches and does not show signs of wear.

Weekly

- Check tire treads and pressure. (Should be 45-50 psi.).
- Check that casters are free to pivot.
- Check that caster wheels rotate freely.
- Check manual brake releases. Release each brake separately to ensure that each disables the drive when released.
- Check that chair cannot be driven when PSL is raised and controller is ON.
- Check that the rubber boot around joystick is intact.
- Check that all seat swivel screws are tight (if so equipped).
- Check that the armrest bolts are tight.
- Check charger cords and connectors for loose connections, damaged cables or signs of electrical damage.
- Check that the seat swivel lock engages and holds (if so equipped).
- Clean power wheelchair. (See page 44 for instructions.)
- **NOTE** Motor operational noise is normal. Audible noise levels will normally increase as the power wheelchair ages.

MARNING

A worn or improperly latching seat belt may not properly position you in the seat and can result in serious injury or death. Replace the seat belt at first signs of wear or improper latching.

Cleaning your Teknique®

The Teknique is designed to operate both inside and outside the home. To keep the vehicle clean:

 Seat - Wipe with a damp cloth or towel, using a mild detergent or window cleaner.

Tires – Brush-off loose material with a dry bristle brush and wipe with a damp cloth or towel.

Top Cover – Vacuum or brush off dirt, then wipe with a damp cloth or towel, using a mild detergent.

Joystick – Ensure that the power switch is off before attempting to clean this area. Food-type contaminants can be removed from around the joystick boot by carefully cleaning with a cotton swab, using a mild detergent. The controller body can be wiped with a damp cloth or towel, using a mild detergent.

NOTICE

Use only a damp cloth to clean. Never spray the chair with liquid. Doing so may damage it.

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Chapter 9

Disassembling and Reassembling Your Teknique®

Controller Removal/Replacement

Removal

- 1. Check that vehicle power is OFF.
- 2. Lift the arm and loosen the sockethead cap screw closest to the controller. Use the 1/4 inch hex wrench supplied with your chair (See Figure 9A below).
- 3. Slide the controller bracket forward until it hits the keyhole. (See Figure 9B below). Remove bracket from arm and place on footrest or other safe location. Unlock cable from seat or frame (if so equipped).



Figure 9A



Figure 9B

Replacement

- 1. Loosen forward socket head cap screw.
- 2. Position keyhole portion of bracket over screw and slide into place.
- 3. Position controller in a comfortable position and secure screw.
- 4. Refasten controller cable (if so equipped).

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Removal and installation of seats with side rails

A CAUTION

The seat assembly is heavy. To avoid injury, do not attempt to lift beyond your capability.



Figure 9C

Removal

- 1. Remove the controller (See page 45).
- 2. Remove the controller cable from seat if so attached.
- 3. Locate the front and rear bolts on each of the side brackets below the seat (See Figure 9C).
- 4. Remove the front bolts, leave the rear bolts installed but loose. Note the position of the bolts for reinstallation.
- 5. From the rear, tilt the seat back and remove from the rear slots.

Replacement

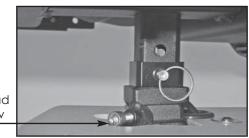
- 1. Locate the rear mounting holes on the brackets attached to the seat. If bolt has been removed, loosely install it in the same position as prior to removal of the seat.
- 2. Locate the controller cable to the rear of the chair and between the side rails.
- 3. From the rear, lift the seat, placing the rear bolts into the slots in the rear of the frame bracket and allow the seat to rest in the forward position on the base frame.
- 4. Locate the front mounting holes in the side rails and install the front bolts and tighten the front and rear bolts.
- 5. Reinstall the controller cable and controller mounting bracket. Position the cable to the minimum length to allow the arm to lift. To prevent cable damage, do not let the cable hang free or extend beyond the chair. Use care when driving to keep the cable from catching on objects.

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MARNING

The cable that joins the joystick to the junction box is a critical part of the vehicle. Ample cable is provided to allow for adjustments. There is a danger if this cable is not correctly routed. Do not allow the excess cable to extend beyond the width of the chair where it may become damaged.

Removal and installation of seats with post mount



Socket Head Cap Screw

Figure 9D (Seats with Post Mounting)

Removal

- 1. Remove the controller from the arm as indicated on page 45.
- 2. Remove cable from seat if so attached.
- 3. Locate the silver socket head screw in the post area below the seat and loosen with the 1/4 inch hex wrench provided (See Figure 9D).
- 4. Grasp the seat at the front and back and lift directly upward until it is free of the seat post.

Replacement

- 1. Make sure the socket head cap screw on the receiver tube is loose. Grasp the seat from the front and back.
- 2. Align the seat post to the receiver tube and lower the seat into position.
- 3. Tighten the socket head cap screw with the 1/4 inch hex wrench provided.
- 4. Reinstall the controller cable and controller mounting bracket. Position the cable to the minimum length to allow the arm to lift. To prevent cable damage, do not let the cable hang free or extend beyond the chair. Use care when driving to keep the cable from catching on objects.

Chapter 10 Electromagnetic Interference (EMI)

Our environment is saturated with radio (electromagnetic) waves that originate from transmitters of television, radio and communication signals. The waves are invisible and their strength at any location is unknown but in general, the strength of a given e.m. wave increases as you move toward the transmitting source. All electrical conductors act as antennas to the e.m. signals. To varying degrees, all power wheelchairs and scooters are susceptible to electromagnetic interference. Abnormal operation in the form of unintentional movement and / or erratic control of the vehicle could result if the interference is such as to override the control system of the vehicle. The U.S. F.D.A. has suggested that the following statement be incorporated to the owner's manual for all power wheelchairs.

Electromagnetic Interference (EMI) From Radio Wave Sources.

Power wheelchairs and motorized scooters (in this text, both will be referred to as power wheelchairs) may be susceptible to electromagnetic interference (EMI) which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio wave sources) can cause the power wheelchair to release its brakes, move by itself or move in unintended directions. It can also permanently damage the power wheelchair's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each power wheelchair can resist EMI up to a certain intensity. This is called its "immunity level".

The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This Teknique® power wheelchair model, as shipped, without any further modification has a tested immunity level of at least 20 V/m. There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of the sources are obvious and easy to avoid. Others are not so obvious and exposure is unavoidable. However, we believe that by following the warnings listed below, your risk to EMI will be minimized.

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The sources of radiated EMI can be broadly classified into three types.

- 1. Hand-held portable transceivers (transmitters-receivers) with the antennas mounted directly to the transmitting unit. Examples include: Citizen band (CB) radios, "walkie-talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices. Note: some of the above transmit signals even when they are not being used for communication.
- 2. Medium range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted to the outside of the vehicle; and
- 3. Long-range transmitters that have the antenna mounted upon a fixed tower.

NOTE Other types of hand-held devices, such as lap-top computers, AM/FM receivers, TV sets, CD and cassette players, and small appliances such as electric shavers and hair dryers, as far as we know, are not likely to cause problems to your power wheelchair.

MARNING

Radio Wave sources may affect power wheelchair control.

Radio wave sources, such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones, can affect power wheelchairs and motorized scooters (in this text, both will be called power wheelchairs). Following the warnings listed below should reduce the chance of unintended brake release or power wheelchair movement that could result in serious injury.

- Do not turn on hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the power wheelchair is turned ON.
- 2. Be aware of nearby transmitters, such as radio or TV stations and try to avoid coming close to them.
- 3. If unintended movement or brake release occurs, turn the power wheelchair OFF as soon as it is safe.
- 4. Be aware that adding accessories or components, or modifying the power wheelchair, may make it more susceptible to interference from radio wave sources. (Note: There is no easy way to evaluate their effect on the overall immunity of the power wheelchair); and
- Report all incidents of unintended movement or brake release to the power wheelchair manufacturer, and note whether there is a radio wave source nearby.

Important Information

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- 1. 20 volts per meter (V/m) is a generally achievable and useful immunity level against interference from radio wave sources (as of May 1994, the higher the level, the greater the protection).
- 2. The Teknique® wheelchair has an immunity level of at least 20 V/m.

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Appendix A: Programmable Parameters

The controller used on your power wheelchair is programmable for basic functions. It requires a programmer to make changes. Any changes must be made by a qualified technician only.

The following chart indicates the standard program values of the factory settings. Refer to the appropriate section depending on the style of control system on your chair. Any subsequent change of the programmed values should be recorded and saved for future reference.

Program Settings

	TEK I	FWD	TEK RWD	TEK XHD	TEK HD-6	TEK	GT
Program Settings	VSI	VR2	ALL	VSI / VR2	VR2	Pilot+	VR2
Forward Speed Max	85	75	100	85	70	100	100
Forward Speed Min	10	20	10	10	10	25	20
Forward Acceleration	30	20	30	30	30	20	30
Forward Deceleration	50	65	50	50	50	50	70
Reverse Speed Max	55	50	55	50	50	55	50
Reverse Speed Min	10	20	10	10	20	10	20
Turning Speed Max	15	15	20	15	15	25	17
Turning Speed Min	10	10	10	10	10	25	10
Turning Acceleration	10	10	30	20	20	5	15
Turning Deceleration	20	70	20	20	50	5	70

Appendix B: Fault Codes

The microprocessor checks various features within the controller and will display any fault indication. The controller may prevent the chair from driving if a critical fault condition exists. Refer to the appropriate fault code section for the system used on your Teknique®.

NOTE When there is a fault please follow this procedure:

- A. Switch off the control system.
- B. Make sure that all connectors on the chair and the control system are connected securely. Make sure brake release levers are in the drive position.
- C. Switch on the control system again and try to drive the chair. If the fault occurs again, switch off and do not try to use the wheelchair. Contact Hoveround® Support 1-800-96-HOVER (1-800-964-6837)

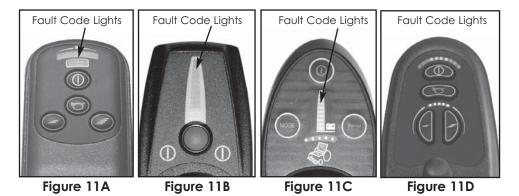
Controllers with system status indicator

Tekniques with this controller system use a flashing "System Status Indicator" light (located in the key symbol). When flashing, it indicates a "fault" condition somewhere in the control system (See Figure 11A, Page 53).

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Controllers using lighted bar displays

Tekniques® having one of these style control systems use lighted bars to display fault codes.



Fault Code Lights

If a fault occurs, you can find out what has happened by counting the number of bars on the battery gauge that are flashing.

1 bar: Low battery or a bad connection. Try recharging the battery.

2 bars: Bad connection to left motor.

3 bars: Short circuit, left motor to battery.

4 bars: Bad connection to right motor.

5 bars: Short circuit, right motor to battery.

6 bars: Verify battery charger is not plugged in (Pilot). Controller fault (VSI).

7 bars: Joystick fault.

8 bars: Controller fault.

9 bars: Problem with brake circuit. Check that manual brake release

levers are in the drive position and power seat lift is lowered

(if equipped).

10 bars: An excessive voltage to the control system. This is usually

caused by a poor battery connection.

10 bars, Ripple up/down: Powered up when joystick not in neutral position. Restart with joystick in neutral.

10 bars, Three Second Blink (Pilot) or 6 bars, three second blink (VSI, Pilot +):

Control is in sleep mode. Press Off/On to restart.

Speed Bars Cycling (VSI) or battery bars cycling (Pilot): Controller locked.

Speed Bars Flashing: Power seat lift is inhibiting drive. Lower the seat.

Appendix C: Locking Features

Your Teknique® is equipped with a locking feature. Please refer to the appropriate instructions for the controller on your Teknique.

Key Lock Systems

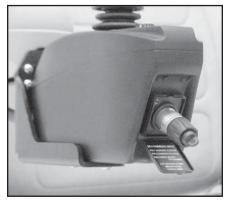


Figure 11E - Pilot



Figure 11F - Pilot+



Figure 11G - Pilot & Pilot+ Key

- 1. Turn the controller on.
- 2. To lock the unit, insert and REMOVE the key at the charger port (See Figure 11E and 11F above). Note: The key must be removed for controller to lock. Press the on/off button. When the display cycles, the chair is locked. If you want to shut off the cycling display, press the on/off button. The chair cannot be operated or driven when locked.

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3. To unlock the controller, press the on/off button. The speed display will cycle. Insert and REMOVE the key (See Figure 11E and 11F, Page 54). The displays will illuminate indicating the controller is unlocked and the chair can be operated.

Lock Sequence System

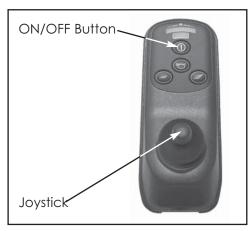


Figure 11H - VSI or VR2

- 1. Turn the controller on.
- To lock, depress and hold the on/off button. After one second the controller will beep. Release the on/off button. Move and hold the joystick forward until the controller beeps. Move and hold the joystick in reverse until the controller beeps. Release the joystick. There will be a long beep that indicates the controller is locked.
- 3. To unlock, turn the control system on. The speed/response indicator will be rippling up and down. Move and hold the joystick forward until the controller beeps. Then move and hold the joystick in reverse until the controller beeps. Release the joystick. There will be a long beep that indicates the controller is unlocked.

Teknique® FWD Specifications

Performance

Maximum Speed 4.2 mph*
Range (per battery charge) 12 miles*
Capacity 300 lbs
Turning Radius 24"
Ground Clearance 3.6"
Maximum step climb 2"

Maximum grade climb 6° (5° ADA ramp recommended)

Dimensions and weight (with 20" seat in lowest position and foot plate)

Length 41.9"
Overall Width 25"
Top of seat cushion to floor 19"

Seat height adjustment .8", 1.5", or 2.3"

from lowest position

Total weight, with batteries** 176 lbs
Base only** 88 lbs
Base with batteries** 123 lbs

Batteries**

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Two U1 batteries, Sealed AGM

Tires and casters

Tire type and tread Pneumatic, non-marring

Tire diameter and width 10"x 3.5"

Caster type and tread Solid, non-marring

Caster diameter and width 8" x 2"

Seat	Standard	Reclining		
Width	20"	1 <i>7</i> ''	19"	22"
Depth	18"	18"	18"	19"
Back height	19.5"	20''	20''	20''
Cushion height	4.5"	4.5"	4.5"	5.5"
Seat belt length	60"	60''	60''	90''
Recline lever position	Folds Forward	Right	Right	Dual

^{*} Speed and range will vary with respect to terrain and weight of rider.

Note: Specifications and equipment subject to change without notice.

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^{**} Serial numbers prior to 350000. Total weight with batteries 223 lbs. Base only 104 lbs. base with batteries 183 lbs. Batteries – two group 22, sealed AGM.

Teknique® RWD Specifications

Performance

Maximum Speed 5.5 mph*
Range (per battery charge) 20 miles*
Capacity 300 lbs
Turning Radius 36"
Ground Clearance 2.5"
Maximum step climb 2"

Maximum grade climb 6° (5° ADA ramp recommended)

Dimensions and weight (with 20" seat in lowest position and foot plate)

Length 42"
Overall Width 25"
Top of seat cushion to floor 19"

Seat height adjustment .8", 1.5", or 2.3"

from lowest position

Total weight, with batteries229 lbsBase only100 lbsBase with batteries178 lbs

Batteries

Two group 22 batteries, Sealed AGM

Tires and casters

Tire type and tread Pneumatic, non-marring

Tire diameter and width 10"x 3.5"

Caster type and tread Solid, non-marring

Caster diameter and width 8" x 2"

Seat	Standard	Reclining		
Width	20''	17"	19"	22"
Depth	18"	18"	18"	19"
Back height	20''	20''	20''	20''
Cushion height	4.5"	4.5"	4.5"	5.5"
Seat belt length	60''	60''	60''	90''
Recline lever position	Folds Forward	Right	Right	Dual

^{*} Speed and range will vary with respect to terrain and weight of rider.

Note: Specifications and equipment subject to change without notice.

Teknique® XHD Specifications

Performance

Maximum Speed 5 mph*
Range (per battery charge) 20 miles*
Capacity 450 lbs
Turning Radius 28"
Ground Clearance 3.7"
Maximum step climb 2"

Maximum grade climb 6° (5° ADA ramp recommended)

Dimensions and weight (with 23" seat in lowest position with foot plate)

Length 47"
Overall Width 27.5"
Top of seat cushion to floor 21"

Seat height adjustment .8", 1.5", or 2.3"

from lowest position

Total weight, with batteries 273 lbs
Base only 114 lbs
Base with batteries 222 lbs

Batteries

58

Two group 24 batteries, Sealed AGM

Tires and casters

Tire type and tread Pneumatic, non-marring

Tire diameter and width 10"x 3.5"

Caster type and tread Solid, non-marring

Caster diameter and width 8" x 2" dual

Seat	Standard	Reclining		
Width	23"	19"	22"	24"
Depth	18"	18"	19"	21"
Back height	18"	20''	20''	23"
Cushion height	5.0"	4.5"	5.5"	5.5"
Seat belt length	90"	60''	90''	90"
Recline lever position	Folds Forward	Right	Dual	Dual

^{*} Speed and range will vary with respect to terrain and weight of rider.

Note: Specifications and equipment subject to change without notice.

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Teknique® HD-6 Specifications

Performance

Maximum Speed 3.3 mph*
Range (per battery charge) 15 miles*
Capacity 600 lbs
Turning Radius 28"
Ground Clearance 3.2"
Maximum step climb 2"

Maximum grade climb 6° (5° ADA ramp recommended)

Dimensions and weight (with 25" seat in lowest position with foot plate)

Length 47"
Overall Width 29"
Top of seat cushion to floor 20.5"

Seat height adjustment .8", 1.5", or 2.3"

from lowest position

Total weight, with batteries 279 lbs
Base only 120 lbs
Base with batteries 228 lbs

Batteries

Two group 24 batteries, Sealed AGM

Tires and casters

Tire type and tread Pneumatic, non-marring

Tire diameter and width 9"x 3"

Caster type and tread Solid, non-marring

Caster diameter and width 8" x 2" dual

Standard	Reclining
25"	24"
18"	21"
18"	23"
5.0"	5.5"
90''	90''
Folds Forward	Dual
	25" 18" 18" 5.0" 90"

^{*} Speed and range will vary with respect to terrain and weight of rider.

Note: Specifications and equipment subject to change without notice.

Appendix D: Teknique® GT Specifications

Performance

Maximum Speed 6.5 mph*
Range (per battery charge) 15 miles*
Capacity 300 lbs
Turning Radius 37"
Ground Clearance 4.7"
Maximum step climb 3"

Maximum grade climb 6° (5° ADA ramp recommended)

Dimensions and weight (with 20" seat in lowest position)

Length 42.5" Overall Width 25.3" Top of seat cushion to floor 20.5"

Seat height adjustment 1.6", 2.4", or 3.1"

from lowest position

Total weight, with batteries 242 lbs
Base only 102 lbs
Base with batteries 181 lbs

Batteries

60

Two group 22 batteries, Sealed AGM

Tires and casters

Tire type and tread Pneumatic, non-marring

Tire diameter and width 13"x 4"

Caster type and tread Solid, non-marring

Caster diameter and width 9" x 2.8"

Seat	Standard	Reclining	
Width	20"	17''	19"
Depth	18"	18"	18"
Back height	20''	20''	20''
Cushion height	4.5"	4.5"	4.5"
Seat belt length	60''	60''	60''
Recline lever position	Folds Forward	Right	Right

^{*} Speed and range will vary with respect to terrain and weight of rider.

Note: Specifications and equipment subject to change without notice.

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Appendix E: Record of Service

Date	Technician	Service Performed	

Record of Service

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Date	Technician	Service Performed	

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Limited Warranty

Hoveround® Corporation warrants the base frame of the Teknique® FWD, RWD and GT to be free from defects in materials and workmanship for a period of five (5) years and the Teknique XHD and HD-6 for a period of one (1) year from the date of purchase. Hoveround Corporation warrants all remaining components (excluding all upholstery, tires, tubes, foot mats, body plastic and batteries) to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Hoveround Corporation warrants batteries to be free from defects in materials or workmanship for a period of six (6) months from the date of purchase. If, within such warranty period, any such product shall be proven to Hoveround's satisfaction to be defective, such product shall, at Hoveround's option, be repaired or replaced. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Hoveround's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service please contact your authorized Hoveround service center. In the event that you do not receive satisfactory warranty service, please write or call directly to Hoveround, provide the service center's name and address, and indicate the nature of the problem.

Please do not return products directly to Hoveround without our prior written consent.

Limitations and exclusions:

The foregoing warranty shall not apply to all upholstery, tires, tubes, foot mats and body plastic; normal wear and tear; or to products subjected to negligence; accidents; improper operation, maintenance or storage; commercial, institutional, or service use other than normal application; or to products damaged by reason of repairs or modifications made to any product without the specific written consent of Hoveround, or to products damaged by circumstances beyond Hoveround's control. All devices exhibit changes in operational noise levels due to aging. Therefore, the foregoing warranty shall not apply to any changes in operating noise or increased noise levels in any component including, but not limited to, motors and gearboxes. The warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. The warranty applies in the USA only and only within the aeographic boundary of the Hoveround service network.

The foregoing warranty is exclusive and in lieu of all other express warranties, implied warranties, if any, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, and shall not extend beyond the duration of the express warranty provided herein. Hoveround shall not be liable for any consequential or incidental damages whatsoever.

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