



Chrysler/Dodge XW  
Rear Entry  
Wheelchair  
Accessible Vehicle



*Operator's  
Manual*

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## Congratulations

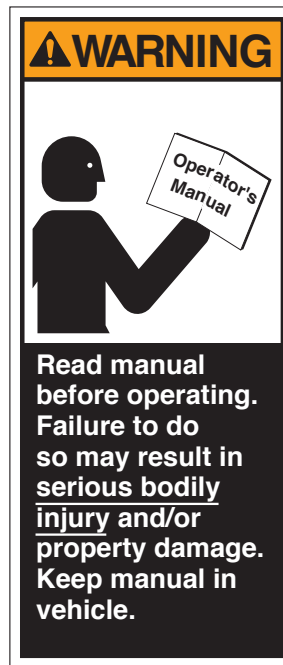
The BraunAbility® employee family thanks you for purchasing your new wheelchair accessible vehicle. We design and build each BraunAbility® vehicle for reliability, quality and safety. Our founder, Ralph Braun, instilled that ethic from day one, and we live by that commitment today.

This manual includes operating instructions, safety precautions and maintenance procedures for your new vehicle. As long as it's properly maintained and operated, your BraunAbility® vehicle will provide mobility freedom for years.

Thank you again for your business, and enjoy your independence!

Sincerely,

The BraunAbility® Family



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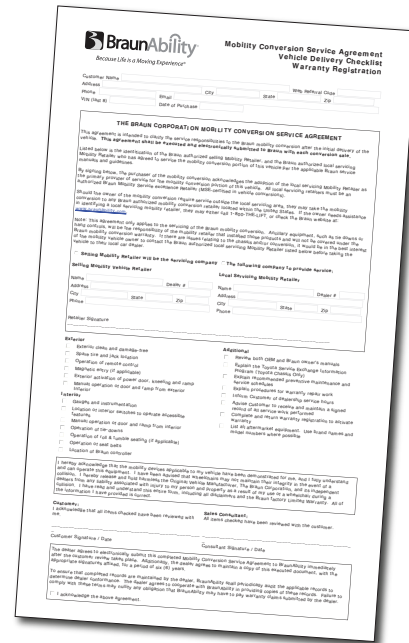
# WARRANTY AND REGISTRATION

Examine your vehicle for any damage. Should any damage have occurred during delivery, notify the carrier at once with any claims.

Review the service agreement, delivery checklist and warranty registration form with your sales representative. The form must be signed by the consumer and retailer. A hard copy is available upon request.

The warranty registration form must be processed electronically by the sales representative to activate the warranty. See the Warranty Booklet for detailed terms and provisions applicable to this vehicle.

Record the last eight digits of the vehicle identification number (VIN) in the space provided for future reference. This information must be provided when filing a warranty claim or ordering parts.



The image shows a 'BraunAbility Mobility Conversion Service Agreement Warranty Registration' form. The form includes a header with the BraunAbility logo and the title 'Mobility Conversion Service Agreement Vehicle Delivery Checklist Warranty Registration'. Below the header is a section for 'Customer Name' with fields for Name, Address, City, State, and Zip. There is also a field for 'VIN (Last 8 Digits)'. The main body of the form contains several sections: 'THE BRAUN CORPORATION MOBILITY CONVERSION SERVICE AGREEMENT' with detailed terms and conditions; 'Setting Mobility Vehicle Referral' with fields for Referrer Name, Address, City, State, and Zip; 'Referrer' information with checkboxes for various roles like 'Salesperson', 'Operator of vehicle', etc.; 'Warranty' information with checkboxes for 'Warranty of merchantability', 'Warranty of fitness for a particular purpose', etc.; 'Delivery' information with checkboxes for 'Delivery of vehicle', 'Delivery of parts', etc.; 'Warranty Registration' information with checkboxes for 'Warranty registration', 'Warranty registration fee', etc.; and 'Agreement' information with checkboxes for 'Agreement to terms and conditions', 'Agreement to terms and conditions of this agreement', etc. The form is tilted slightly to the right.

Vehicle Identification Number (VIN) \_\_\_\_\_

BraunAbility® wheelchair accessible vehicles are designed to provide mobility independence for wheelchair passengers. Familiarity with proper operation and maintenance procedures will help ensure safe, trouble-free operation.

We encourage transit personnel (drivers and wheelchair attendants) to review the material contained in this manual with your sales representative, before attempting operation. Any questions or concerns can be addressed at that time.

This manual addresses standard features as well as options. Refer to the instructions applicable for your vehicle, and disregard information that does not apply. Contact Customer Care at 1-800-488-0359 if any of this information is not understood.

Store this manual in the vehicle along with your OEM owner's manual.

If you experience an operation problem or there is any sign of wear, damage, or other abnormal condition, contact your sales representative or call 1-800-488-0359. One of our Customer Care representatives will direct you to an authorized service center.

## FEATURES

**Floor Plan Option A:** Full drop lowered floor with (2) wheelchair positions. Remounted OEM middle row bucket seats (flip and fold). A two-passenger fold-a-way seat is available as a rear seating option.

**Floor Plan Option B:** Full drop lowered floor with wheelchair position. Middle row three-passenger aftermarket bench seat. Optional foot rest filler available for mid-point floor (\*).

**Floor Plan Option C:** Short drop lowered floor with wheelchair position. Aftermarket middle row three-passenger bench seat.

**Floor Plan Option D:** Short drop lowered floor with wheelchair position. Remounted OEM middle row

bucket seats. A two-passenger fold-a-way seat is available as a rear seating option.

Note: The layouts for these floor plans are on pages 6 and 7.

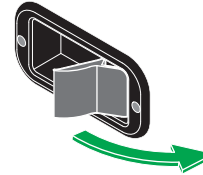
### **Lowered Floor from Rear Hatch:**

This feature provides additional headroom and reduces the slope of the ramp when deployed. Commercial grade flooring is featured throughout the lowered floor area.

**Ground Clearance:** The lowered floor results in reduced ground clearance. Be aware of limited ground clearance.

**Rear Hatch:** Manual rear hatch provides 56" ADA vertical opening (with interlock and entrance lighting).

**Hatch Release:** Rear hatch is equipped with an interior hatch release. Pull release to unlatch door. Open door.



**Ramp:** Two types of ADA-compliant manually operated ramps are available in the public use Dodge/Chrysler rear entry. Both the bi-fold (Fold Out) ramp and sliding (Simple Stow™) ramp are addressed in this manual. Fold Out ramp depicted.

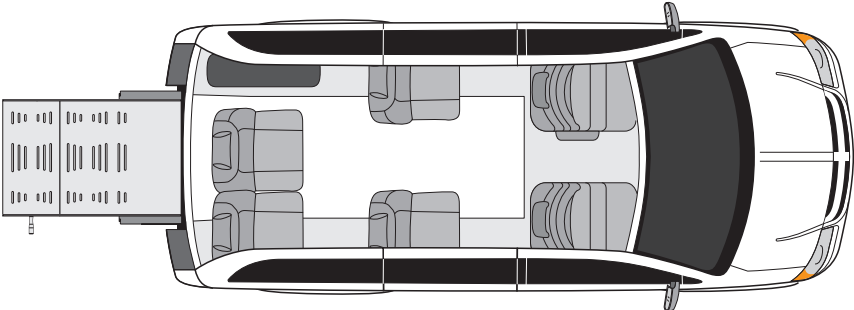
**Entrance/Ramp Lighting:** ADA-compliant entrance/ramp lighting that functions in sync with the OEM interior lights (activated by doors, lift gate or dimmer control).

**Park Interlock:** If equipped the rear hatch must be fully closed before the transmission can be shifted out of Park.

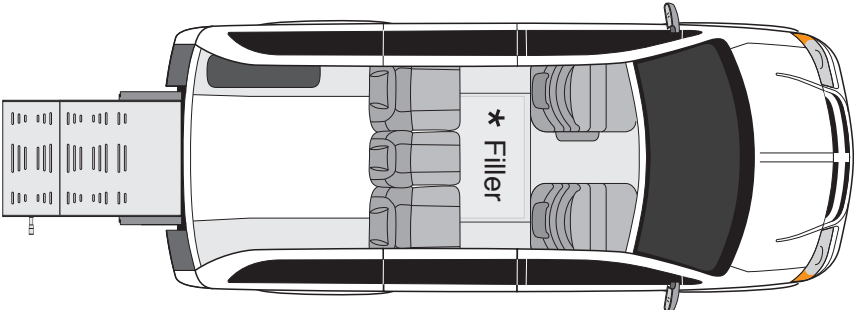
**Forward-Facing Wheelchair Tiedown and Occupant Restraint System:** Floor pockets (anchorage points) provided in the lowered floor area can be utilized for restraint of a wheelchair passenger. See floor plans A, B, C and D on pages 24-27 for Slide N' Click pocket (anchorage point) locations and wheelchair positions.

One Forward-Facing Wheelchair Tiedown and Occupant Restraint Belt Kit is supplied for the tie down of one wheelchair and restraint of an occupant. The belt/tiedown kit is used in conjunction with the floor pockets (anchorage points). Additional restraint systems can be purchased (option).

**FLOOR PLAN A**

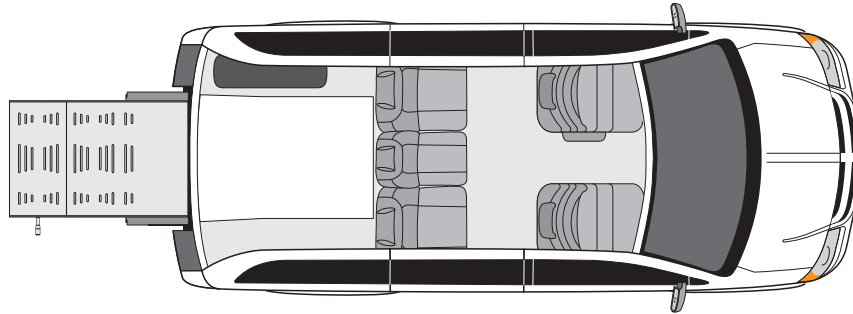


**FLOOR PLAN B**

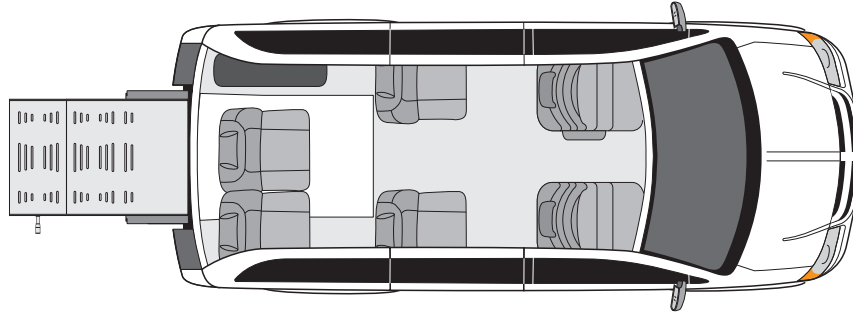




**FLOOR PLAN C**



**FLOOR PLAN D**



## SAFETY PRECAUTIONS

### Safety Symbols

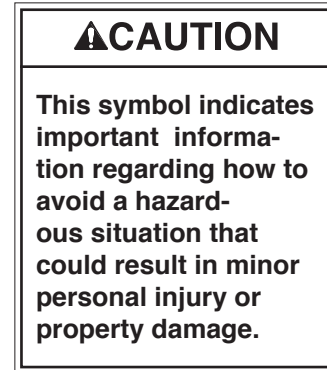
#### SAFETY FIRST! Know That....

**A** All information contained in this manual and supplements (if included), is provided for your safety. Familiarity with proper operation instructions as well as proper maintenance procedures are necessary to ensure safe, trouble-free operation. Safety precautions are provided to identify potentially hazardous situations and provide instruction on how to avoid them.

**B**



**C**



**D** **Note:** Additional information provided to help clarify or detail a specific subject.

These symbols will appear throughout this manual and may appear on labels posted in your vehicle.  
**Recognize the seriousness of this information.**

**Before Operation**

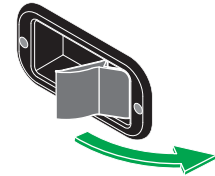
Before utilizing conversion features, park the vehicle on a level surface away from vehicular traffic. Place the vehicle transmission in Park and engage the parking brake.

**Entrance Lighting**

Entrance lighting functions in sync with the OEM interior lights (activated by doors, lift gate or dimmer control).

**Rear Hatch Operation**

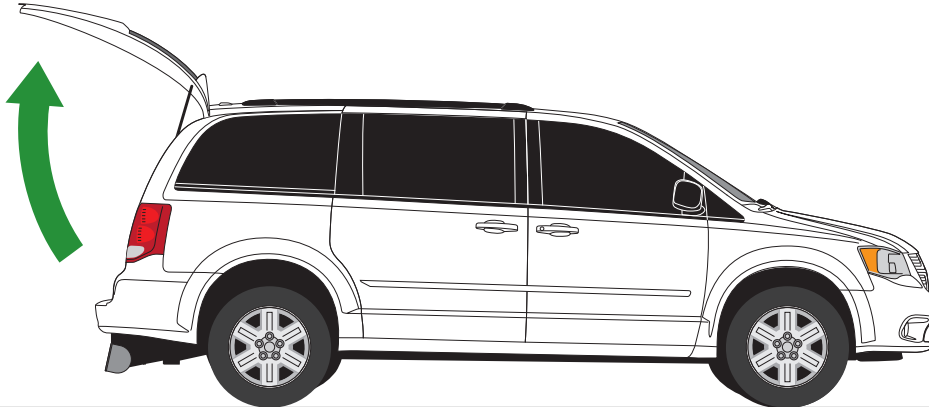
Rear hatch operation has not been affected by the conversion. Refer to the OEM manual for rear hatch procedures.

**Hatch Release**

Rear hatch is equipped with an interior hatch release. Pull release to unlatch door. Open door.

**Park Interlock**

The rear hatch must be fully closed before the transmission can be shifted out of Park.



## FOLDOUT RAMP OPERATION

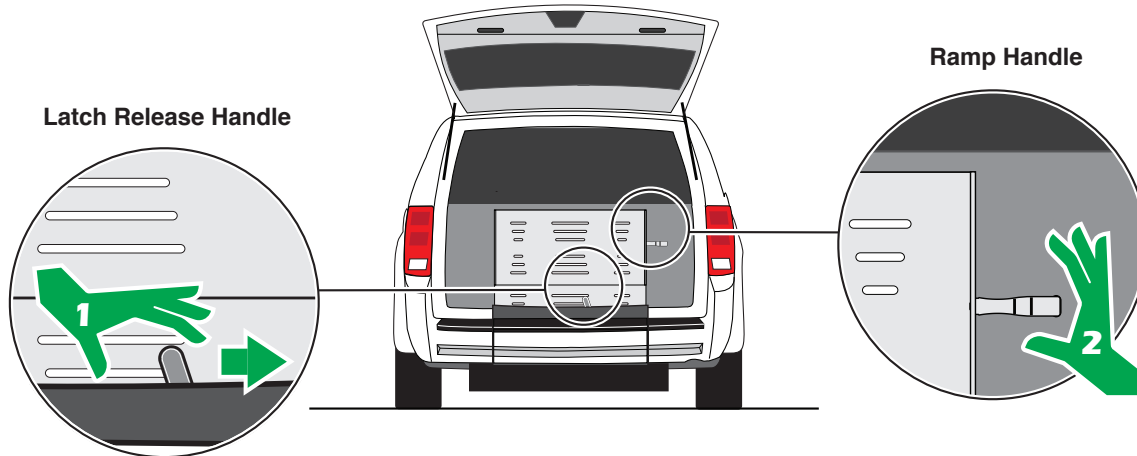
### Foldout Ramp Terminology

The term deploy (unfold) indicates the lowering motion of the ramp to the deployed position. Stow (fold) is the raising motion of the ramp to the vertical (stowed) position.

### Fold Out Ramp Operation

The foldout ramp and vehicle tailgate operate together. The ramp and tailgate assembly are manually deployed and stowed by an attendant.

Push the stow latch release handle to the right (1), and carefully deploy and stow the spring-assisted ramp using the side mounted ramp handle (2).



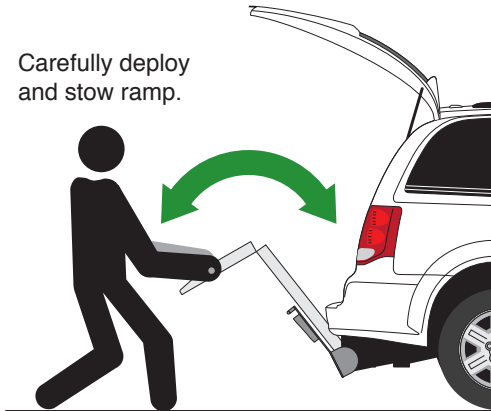
## FOLDOUT RAMP OPERATION

Ensure the ramp is fully deployed before boarding the ramp.

Ensure the ramp is fully stowed and latched before closing the rear hatch. The two-stage

ramp latches must be fully engaged (click twice). Typical both sides.

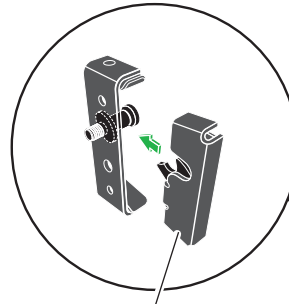
Carefully deploy and stow ramp.



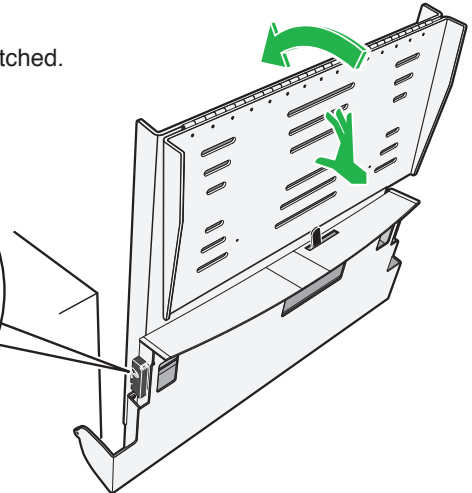
### 2-Stage Ramp Latch

Ensure ramp is fully latched.

2 Clicks



Ramp Latch



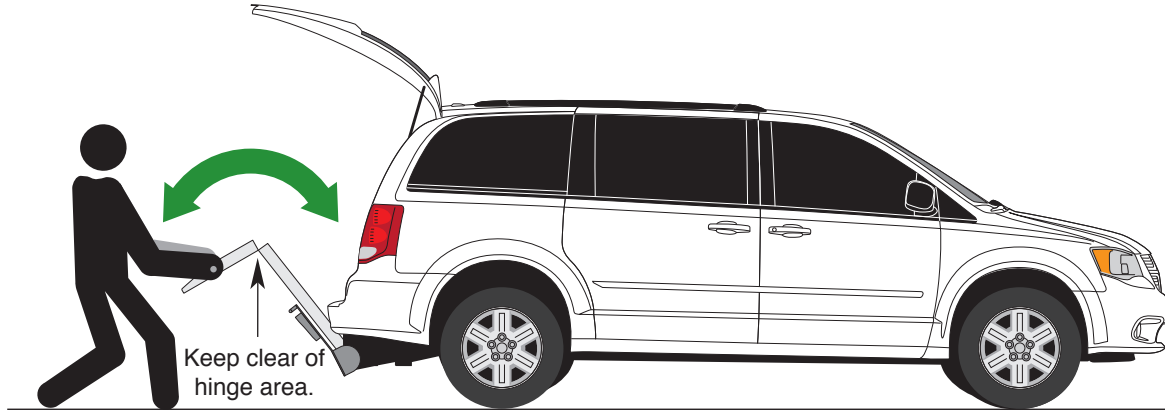
## FOLDOUT RAMP OPERATION

### Foldout Ramp Operation Safety

Keep clear of the area in which the hinged ramp bi-fold extension folds and unfolds.

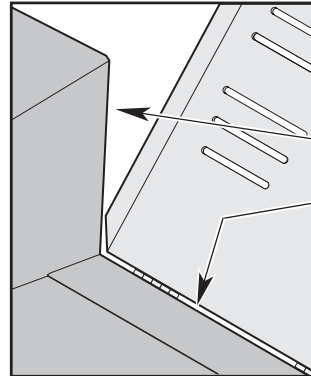
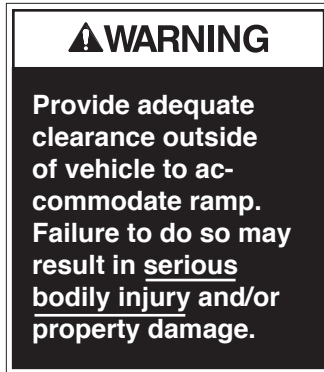
Remember to use good body mechanics when stowing and deploying the ramp. Do not release the ramp when deploying or stowing the ramp. The ramp will free-fall.

Push the ramp out from inside the vehicle only if an assistant is not available and it is absolutely necessary. The ramp will free-fall.

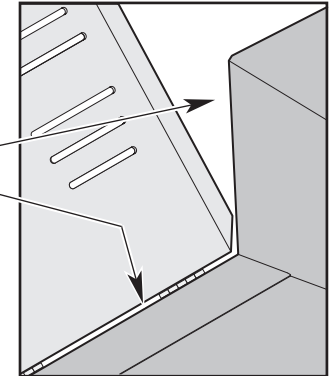


## FOLDOUT RAMP OPERATION

Be certain there is adequate clearance outside the vehicle before deploying the ramp. Keep clear of area in which the ramp operates. Be certain no person or obstruction is within the path of the ramp when deploying or stowing the ramp. Keep clear of all ramp moving parts. Do not attempt to grip or hold the ramp or ramp folding mechanism during operation.



Keep body parts and obstructions clear of the area in which the ramp operates.



## SIMPLE STOW RAMP OPERATION

### Simple Stow Ramp Terminology

**On Floor Stow:** When not in use, the simple stow (sliding) ramp rests (stows) on the vehicle floor. The ramp is deployed (extended) to the fully deployed position for wheelchair passenger boarding and exiting. The term deploy indicates the extending (outward) motion of the ramp to the deployed position. Stow is the retracting (inward) motion of the ramp to the (stowed) position on the vehicle floor.

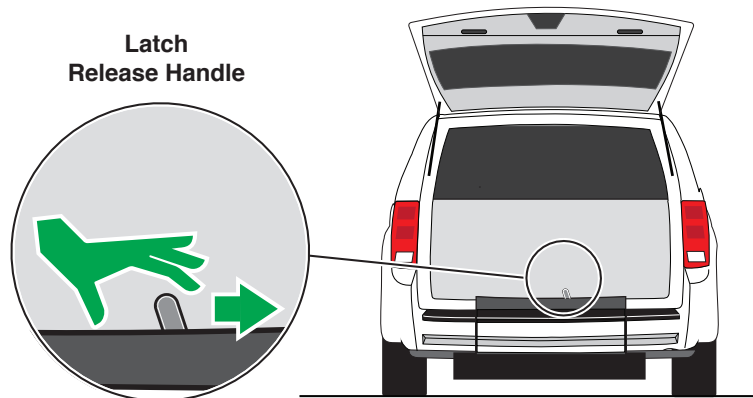
**Vertical Stow:** The ramp is folded (raised) to the vertical stow position when a wheelchair passenger is being transported.

### Ramp Access Tailgate

The independent tailgate must be manually opened and closed by an attendant before ramp operation (deployed and stowed). Push the tailgate stow latch release handle to right and carefully lower the tailgate.

### Simple Stow Ramp Operation

The ramp is manually deployed and stowed by an attendant. Three oval-shaped hand hold slots are provided, (one on each





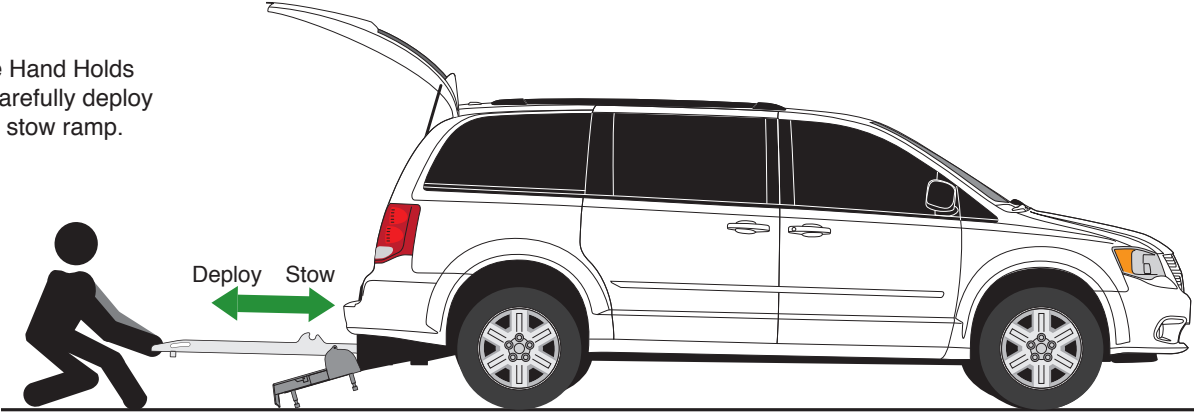
## SIMPLE STOW RAMP OPERATION

side of the ramp and one in the center of the ramp platform). Carefully deploy and stow the ramp using the hand holds.

Lift the ramp so that it is parallel to the vehicle floor before manually stowing. Push the ramp straight into the vehicle (avoid binding the ramp).

Keep clear of the ramp mechanism when stowing the ramp. Remember to use good body mechanics when manually stowing and deploying the ramp.

Use Hand Holds to carefully deploy and stow ramp.



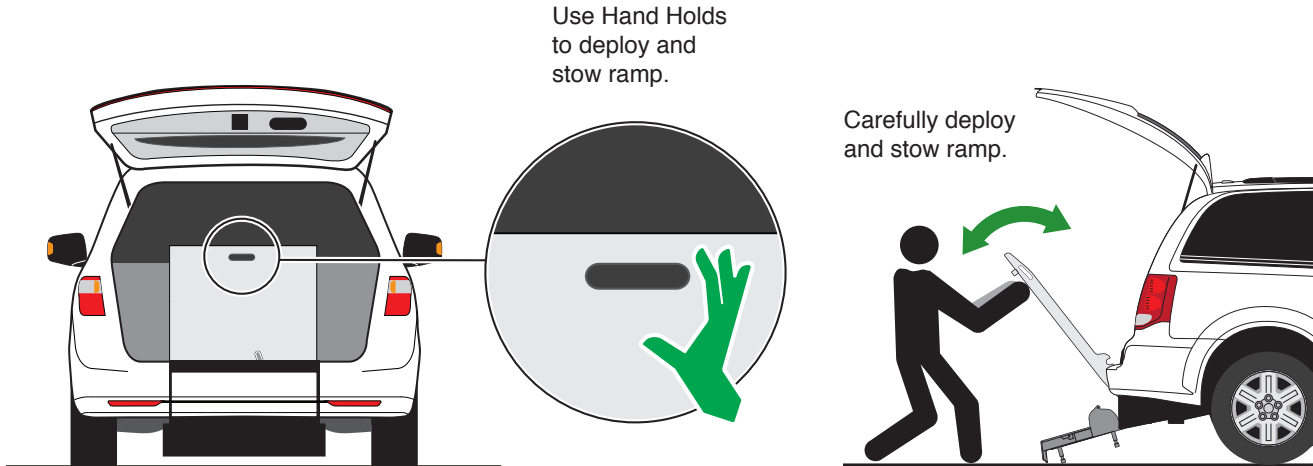
## SIMPLE STOW RAMP OPERATION

### Simple Stow Ramp Vertical Stow Position

The simple stow ramp is stowed in the vertical position when a wheelchair passenger is being transported.

Deploy (extend) the ramp fully. Lift and fold (rotate) the ramp to the vertical position.

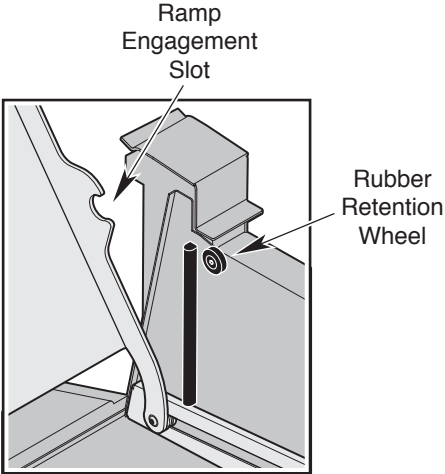
Be sure the ramp engages the rubber retention wheels fully (see ramp detail).



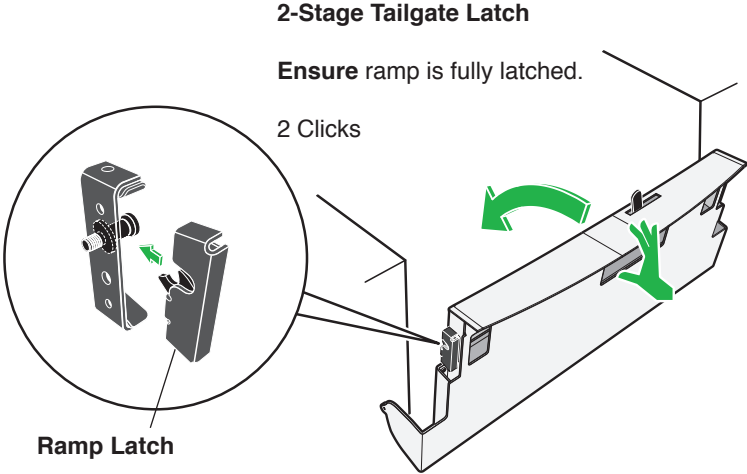
**SIMPLE STOW RAMP OPERATION**

Ensure the tailgate is fully stowed and latched before closing the rear hatch. The

two-stage latches must be fully engaged (click twice). Typical both sides.



**Ramp Detail**



**Ramp Latch**

## SIMPLE STOW RAMP OPERATION

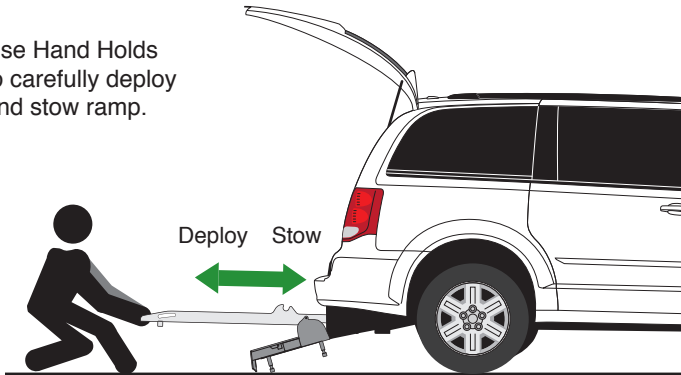
### Simple Stow Ramp Operation Safety

Keep clear of the area in which the ramp operates (extends, retracts, pivots, folds and unfolds).

Remember to use good body mechanics when stowing and deploying the ramp. Do not release the ramp when deploying folding and unfolding the ramp to and from the vertical stow position. The ramp will free-fall.

If the ramp is in the vertical stow position, push the ramp out from inside the vehicle only if an assistant is not available and it is absolutely necessary. The ramp will free-fall.

Use Hand Holds to carefully deploy and stow ramp.

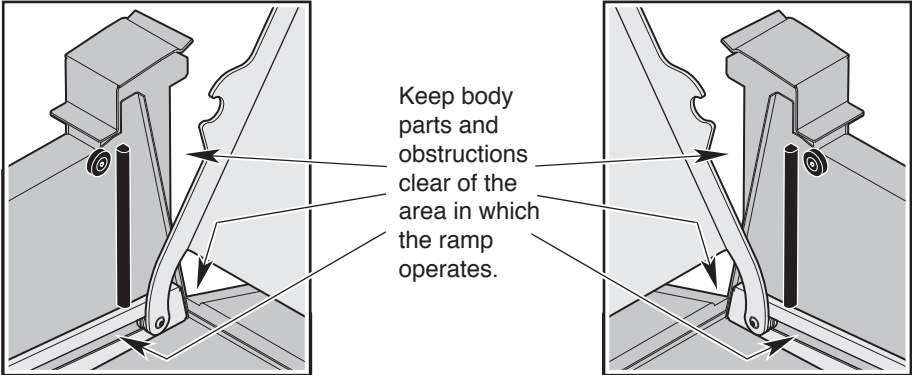
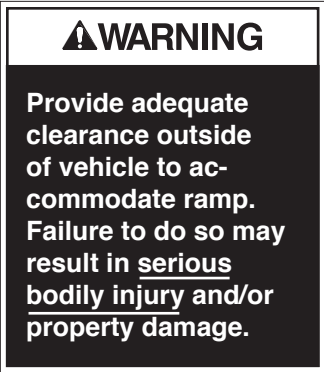


Use Hand Holds to carefully deploy and stow ramp.



**SIMPLE STOW RAMP OPERATION**

Be certain there is adequate clearance outside the vehicle before deploying the ramp. Keep clear of area in which the ramp operates. Be certain no person or obstruction is within the path of the ramp when deploying or stowing the ramp. Keep clear of all ramp moving parts. Do not attempt to grip or hold the ramp sliding and folding mechanisms during operation.



### Ramp Passenger Safety

Wheelchair passengers and attendants (when applicable), must use basic common sense and good judgment regarding ramp safety. Each wheelchair passenger has a unique set of physical abilities, combined with the physical characteristics of his or her wheelchair that dictate the method in which he or she will enter and exit the conversion. Consequently, the procedures for safe operation outlined in this manual are general in nature. Wheelchair attendants should be instructed on any special needs and/or procedures required for safe transport of wheelchair passengers.

Follow all safety instructions regarding torso restraints, stability, balance, weight distribution and use of attendants as specified in the owner's manual supplied with your wheelchair. Determine, establish and practice ramp boarding and exiting procedures under the direction of your health care professional, your wheelchair representative, and your mobility representative to ensure your ability to do so safely.

Never board the ramp if you or your attendant are intoxicated. The wheelchair should be positioned in the center of the ramp at all times. You must be able to clearly view the ramp whenever boarding and exiting the vehicle. The wheelchair passenger and/or attendant must ensure the ramp is fully deployed before exiting the vehicle.

It is the responsibility of the wheelchair operator to enter and exit the vehicle on the ramp in the safest manner.

**Wheelchair-Equipped Occupant Seat Belts:** Wheelchair passengers should position and buckle their wheelchair-equipped seat belt (torso restraint),

#### **WARNING**

**Position and fasten the wheelchair-equipped occupant seat belt before loading onto the wheelchair ramp. Failure to do so may result in serious bodily injury and/or property damage.**

as specified by the manufacturer, before loading onto a wheelchair ramp.

Different types of disabilities require different types of wheelchairs and different types of wheelchair-equipped occupant restraint belt systems (torso restraint). It is the responsibility of the wheelchair passenger to have his or her wheelchair equipped with an occupant restraint (seat belt) under the direction of their health care professional.

**Stabilizing Wheelchairs:** Powered and manual wheelchairs are designed to remain upright and stable during normal operation. All activities which involve movement in a wheelchair have an effect on the combined center of gravity of the occupant and wheelchair. Be aware of the ramp slope (angle). The slope of the ramp has a direct effect on the center of gravity. Keep in mind your center of gravity and your ability to maintain stability and balance.



Do not operate your wheelchair on the ramp without assistance if you are unable to maintain stability and balance. Counterbalance devices (anti-tippers) may be available from your wheelchair representative to enhance stability and balance.

Do not tilt your wheelchair without assistance. Operate the wheelchair at a slow and constant speed when on the ramp. Do not accelerate suddenly when on the ramp. Do not raise the front wheelchair wheels (pull wheelie) when on the ramp.

## OPERATION

The aid of an attendant stabilizing the wheelchair is recommended for optimum safety. Wheelchair passengers who intend to enter and exit the vehicle without the assistance of an attendant must determine the safest and most practical method and orientation of entering and exiting based on the physical characteristics of their personal wheelchair and his or her physical capabilities to maintain stability while the wheelchair is in motion on the ramp.

**Wheelchair Attendants:** When assisting a wheelchair occupant, remember to use good body mechanics. When the wheelchair is on the ramp, the attendant must grasp the push handles (or other) securely. Detachable wheelchair parts such as arms or leg rests must never be used for hand holds or lifting supports. Doing so could result in the detachable parts being inadvertently detached from the wheelchair resulting in possible injury to the wheelchair occupant and/or the attendant.

**Wheelchair Orientation and Securement During Transport:** The wheelchair and occupant must face the front of the vehicle and must be secured using the Forward-Facing Wheelchair Tiedown and Occupant Restraint System when riding in the vehicle. See pages 23-39 for details.



### Terminology

While many of the terms are self explanatory, several have been specifically developed to clarify terminology which is unique to the situation of occupant protection systems that provide both wheelchair tiedown and occupant restraint. Terms and an explanation of their intended usage follows.

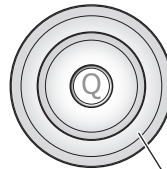
The term “restraint” is used only in reference to the occupant and not in reference to the wheelchair which is “tied down”. Also, while both wheelchair tiedowns and occupant restraints may include webbing material, the term “belt” is used only in context to occupant restraint. The term “strap” is used for webbing material used in a wheelchair tiedown.

### Forward-Facing Wheelchair Tiedown and Occupant Restraint System:

Floor pockets (anchorage points) provided in the lowered floor area can be utilized for wheelchair securement and restraint of a wheelchair passenger. See floor plans A, B, C and D on the following pages for Slide N’ Click pocket (anchorage point) locations and wheelchair positions.

One Forward-Facing Wheelchair Tiedown and Occupant Restraint Belt Kit is supplied for the tie down of one wheelchair and restraint of an occupant. The belt/tiedown kit is used in conjunction with the floor pockets (anchorage points). Additional restraint systems can be purchased (option).

Refer to the following guidelines, illustrations, photos and instructions for proper use of the wheelchair and occupant restraint system.

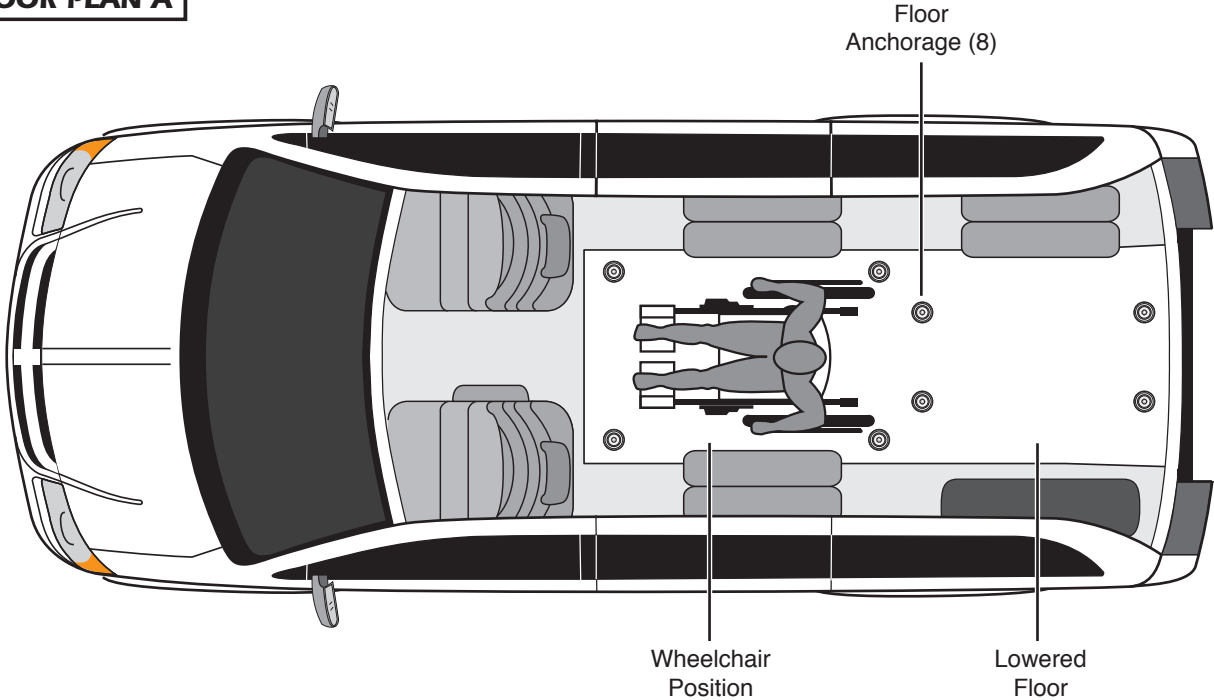


**Figure 1**

Floor  
Anchorage

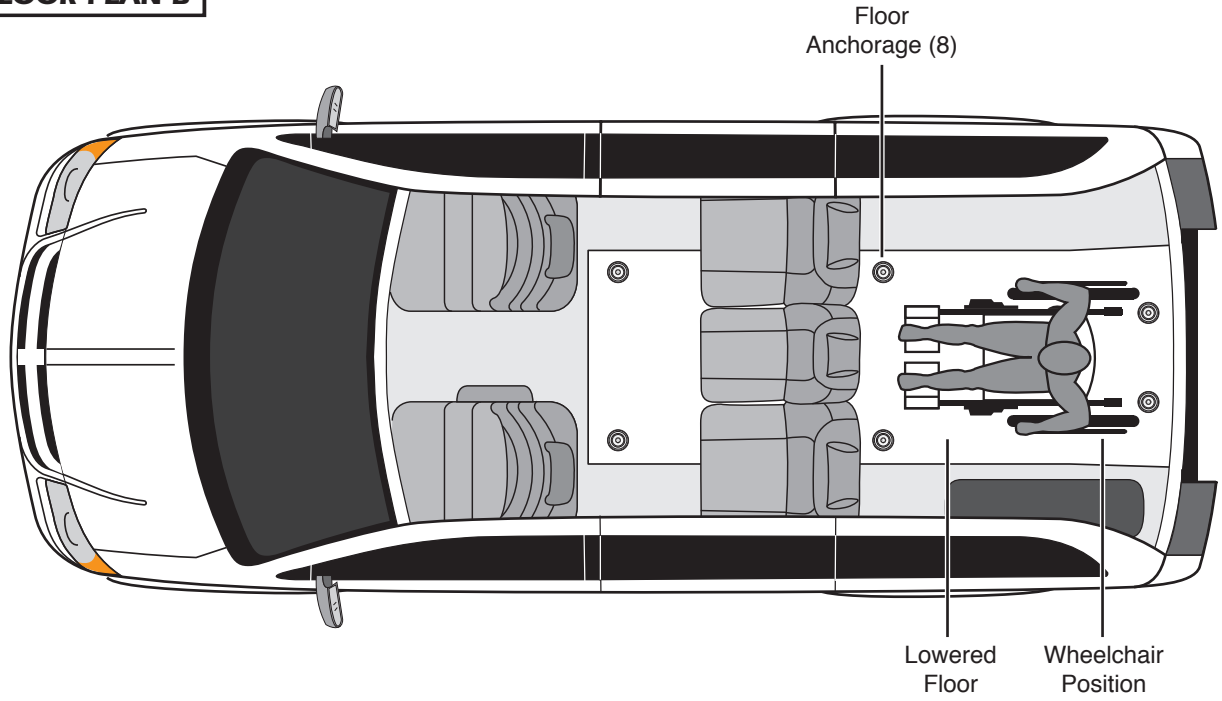
# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

**FLOOR PLAN A**



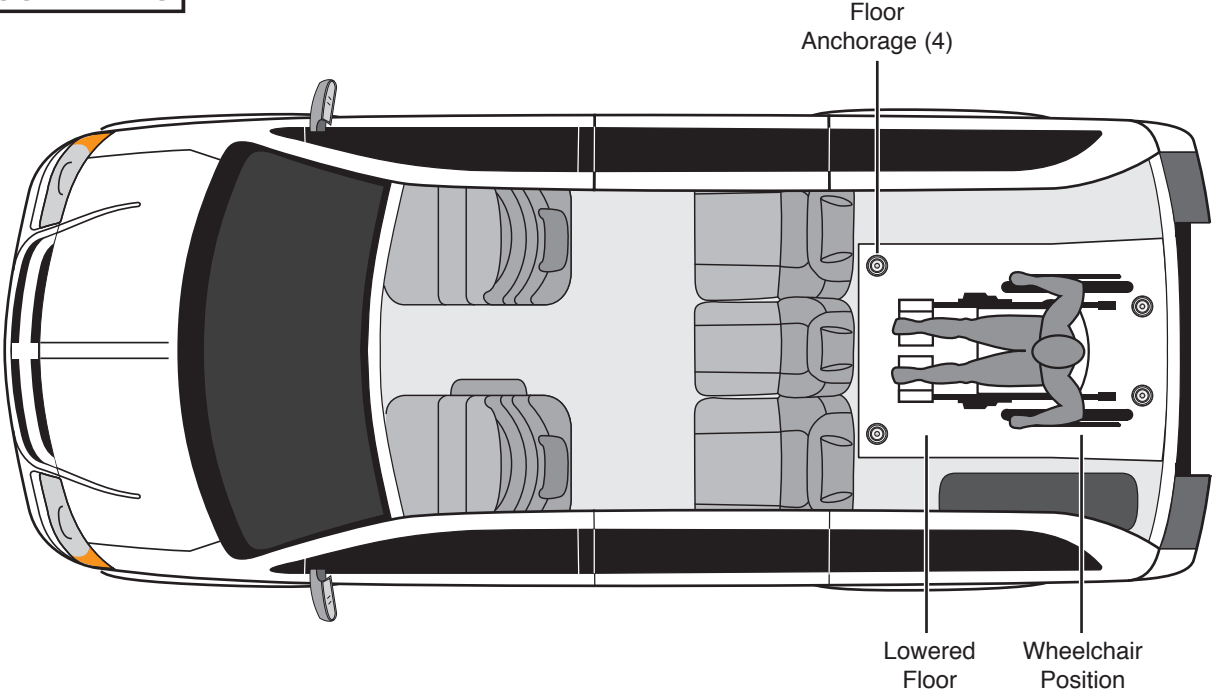
# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

## FLOOR PLAN B



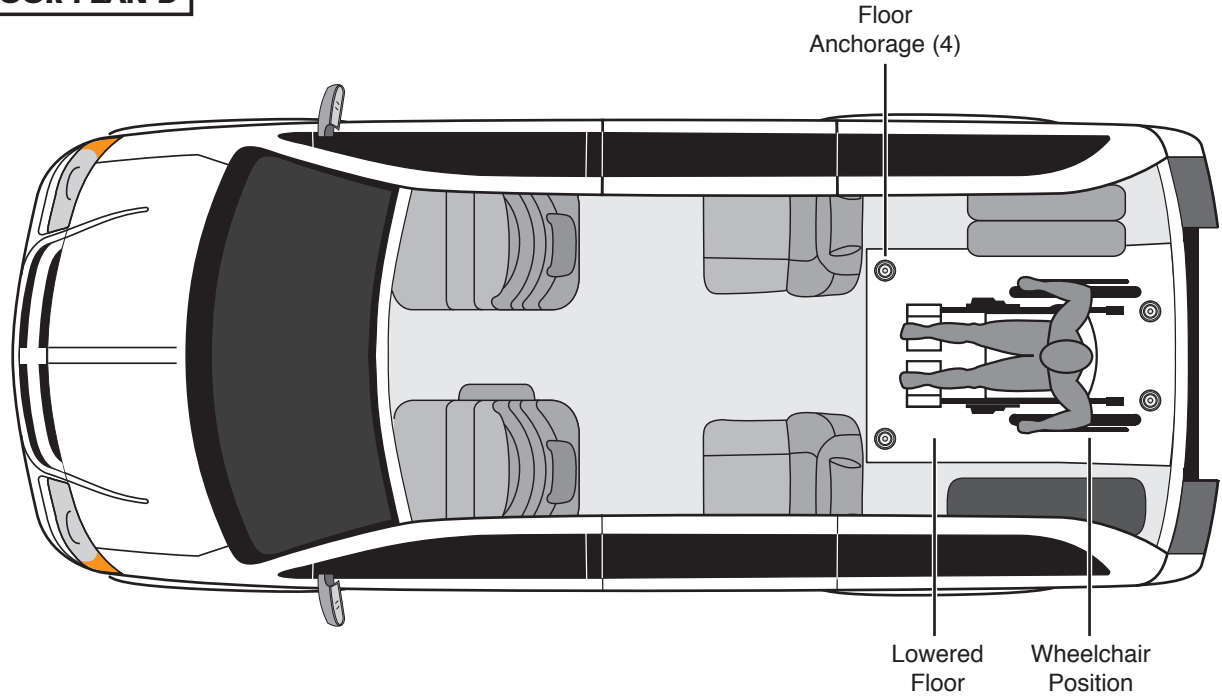
**WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT**

**FLOOR PLAN C**



# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

## FLOOR PLAN D



## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Wheelchair Tiedown

Four QRT retractable straps are provided for securement of the wheelchair (two for the front and two for the rear).

Each QRT retractor is equipped with a Slide' N Click keeper fitting (attachment) which installs on the vehicle-mounted pocket anchorage point (detailed on pages 32 and 33). A hook (securement point) is positioned on the opposite end of the straps for attachment to a solid frame member of the wheelchair. Do not attach strap to detachable wheelchair components such as armrests or leg rests. Front and rear strap tension is required.

Refer to the illustrations, photos and instructions on pages 32-39 for strap and belt operation procedures.

QRT  
Retractable  
Straps  
(four)



### Occupant Restraint

Lap and shoulder belts should bear upon the bony structure of the body and should be worn low across the front of the pelvis with the junction between the lap and shoulder belts located near the passenger's hip. Wheelchair occupant restraints should not be held away from the body by wheelchair components such as armrests, panels, wheels or frame. Follow all safety precautions and instructions supplied by the belt manufacturer.

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Occupant Restraint

#### Multi-Piece Chest & Waist Belt

The multi-piece chest and waist belt assembly provides separate lap and shoulder belts that can be routed and positioned independently.

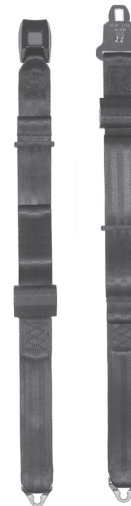
**Lap Belt (2 Piece):** One of the two lap belts is equipped with a female receptacle. The mating lap belt is equipped with the buckle. The opposite end of each lap belt is equipped with a slotted female fitting that attaches to the corresponding wheelchair rear tiedown strap (at floor-mount keeper anchor point). See photos at right and illustrations on pages 36-38.

Position the two-piece lap belt onto the passenger's lap and route

the belt ends through the back of the chair. Connect the lap belt slotted female fitting to the corresponding wheelchair restraint belt QRT retractor. QRT retractors are equipped with a pin that attaches to belt slotted female fittings. Adjust lap belts as needed using belt adjuster.

**Shoulder Belt:** The adjustable shoulder belt is equipped with a slotted female fitting at each end. One fitting attaches to the lap belt (equipped with a pin fitting). The slotted female fitting at the opposite (upper) end of the belt attaches to the vehicle-mounted shoulder belt adapter (adapters located at OEM shoulder belt positions). Shoulder belt adapters are equipped with a pin fitting that attaches to the shoulder belt slotted female fitting.

2-Piece Waist  
(Lap) Belt  
(female) (male)



Shoulder  
(Chest)  
Belt



## **WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT**

---

### **Occupant Restraint** (continued)

Connect the adjustable shoulder belt upper slotted female fitting to the wall-mounted shoulder belt adapter (engage pin in slot). Connect the shoulder belt lower slotted female fitting to the lap belt pin fitting (engage pin in slot). Adjust shoulder belt as needed using belt adjuster. See photos on previous page and illustrations on pages 36-38.



### Strap, Belt and Anchorage Maintenance

Inspect strap and belt assemblies frequently. Any damage such as strap/belt cuts, fraying or malfunctioning call for replacement of the entire strap/belt assembly. Floor anchorage pockets must be clean and not worn, bent or otherwise damaged (prohibiting proper strap/belt attachment). If there is any sign of damage, wear, abnormal condition or improper operation of straps, belts, strap/belt hardware (hooks, keepers, latch plate, receptacle), or floor pockets, discontinue use and replace components immediately.

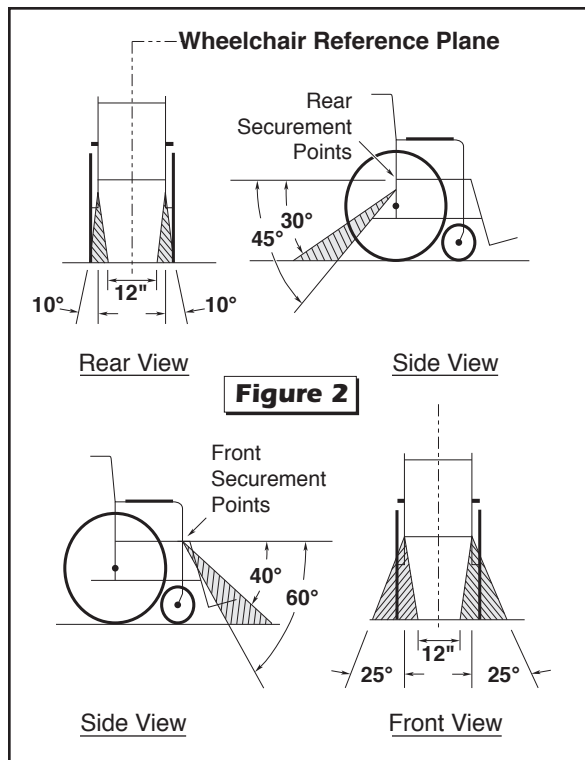
Follow all inspection and maintenance instructions supplied by the belt manufacturer. Severe conditions (weather, environment, heavy usage, etc.) may require more frequent inspections. Exposure to severe conditions will dramatically reduce the life of the system.

Keep straps/belts clear of sharp objects. Do not alter straps/belts.

### WARNING

No product developed to date can guarantee successful securement of the wheelchair, even at low speeds, in the event of an accident. The Wheelchair Tiedown and Occupant Restraint System does meet the most widely referenced Federal Motor Vehicle Safety Standards used for contemporary restraint equipment. However, this equipment does not ensure stability of the wheelchair in the event of an accident at any speed.

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



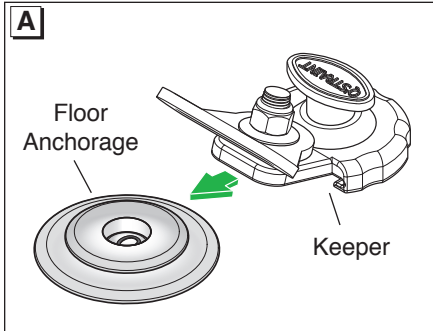
### Tiedown Strap Angles

Locate wheelchair in forward-facing position centering wheelchair squarely within floor anchorages. The front and rear straps, when attached, should create angles approximately as shown in Figure 2. Preferred angles and locations of straps from wheelchair securement points to vehicle anchor points are shown. Note: These are optimum angles and cannot be achieved in some cases.

### Keeper Fitting and Floor Anchorage Attachment Instructions

The four QRT retractable straps are equipped with Slide' N Click keeper fittings (attachments) which engage the floor pockets (anchorage points). Engage and release keeper fittings as detailed and shown on the following page.

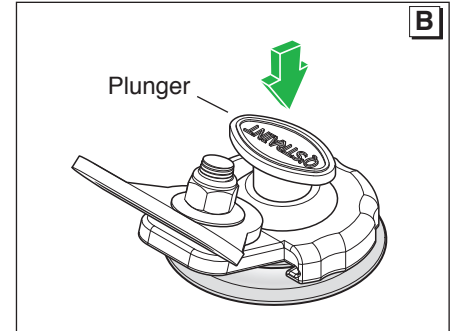
## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



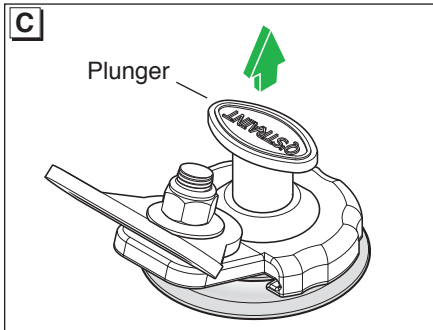
### Slide' N Click Keeper Fitting and Floor Anchorage Attachment Instructions

#### To Engage Keeper Fitting:

- ◀ Slide keeper fitting onto floor anchorage. Be sure keeper is locked into position on floor anchorage (plunger fully engaged). See Figures A and B.

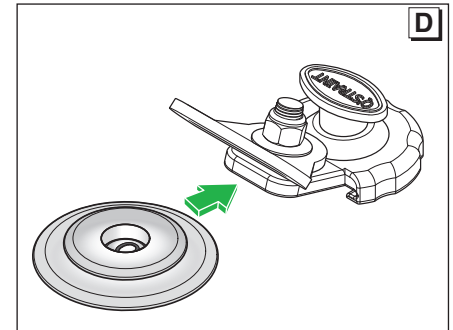


Ensure keeper plunger is fully engaged.



#### To Release Keeper Fitting:

- ◀ Lift plunger and slide keeper fitting off the floor anchorage. See Figures C and D.



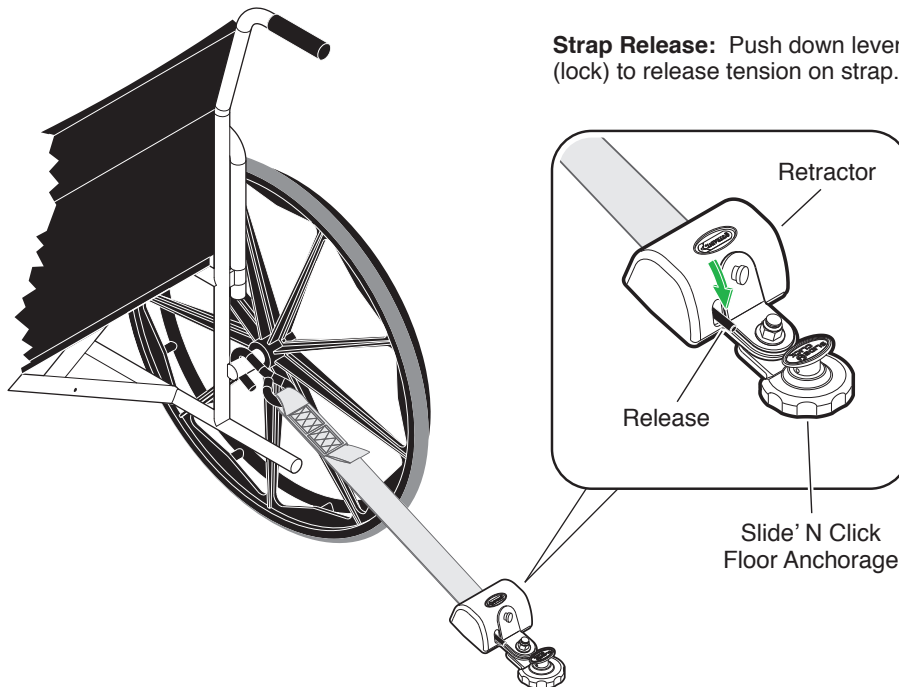
## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### QRT Retractor Strap Attachments

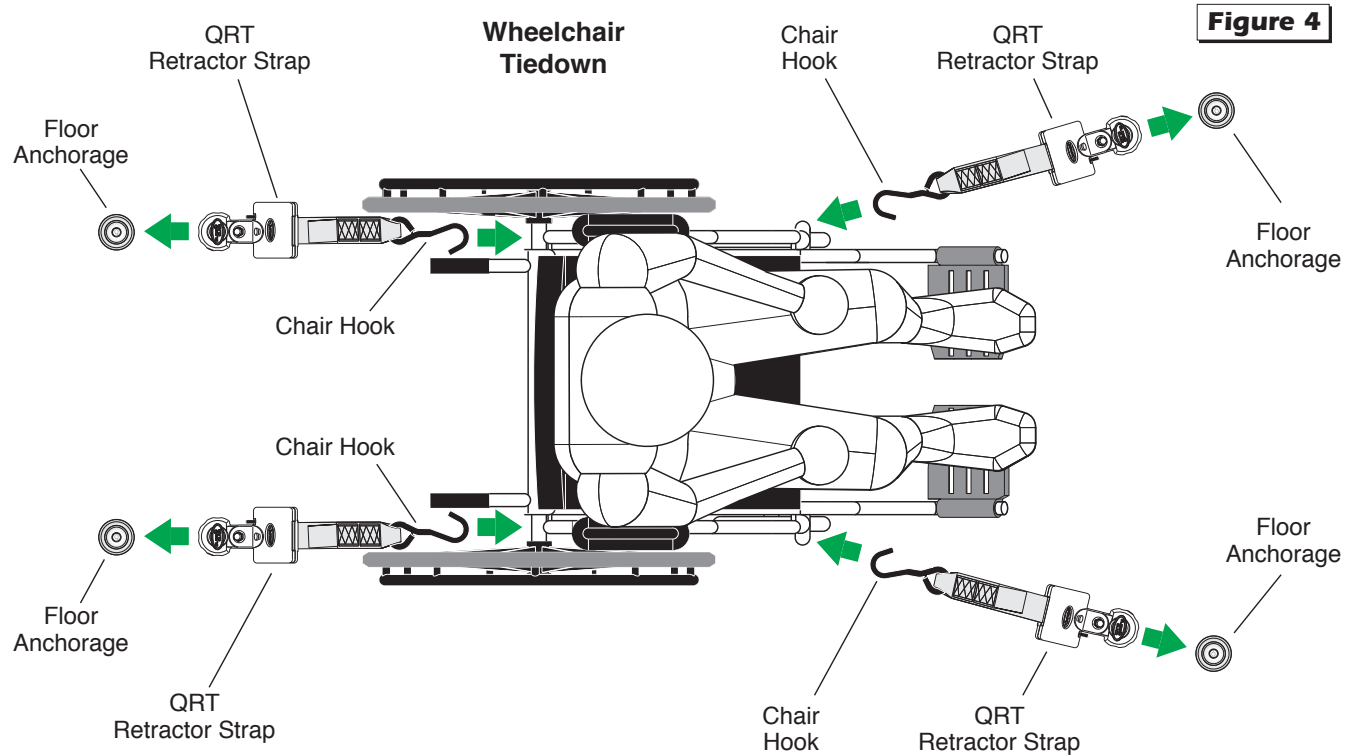
1. Place wheelchair facing forward in securement area. Apply wheel locks or turn power off.
2. Attach tiedowns into floor anchorages and ensure they are locked in. Detailed on page 33.
3. Attach the four tiedown hooks to solid frame members or weldments, near seat level. Ensure tiedowns are fixed at approximately 45 degrees, and are within angles shown in Figure 2 on page 32. Do not attach hooks to wheels, plastic or removable parts of wheelchair.
4. Ensure all tiedowns are locked and properly tensioned. If necessary, rock wheelchair back and forth to take up additional webbing slack.

### Wheelchair Tiedown

**Figure 3**

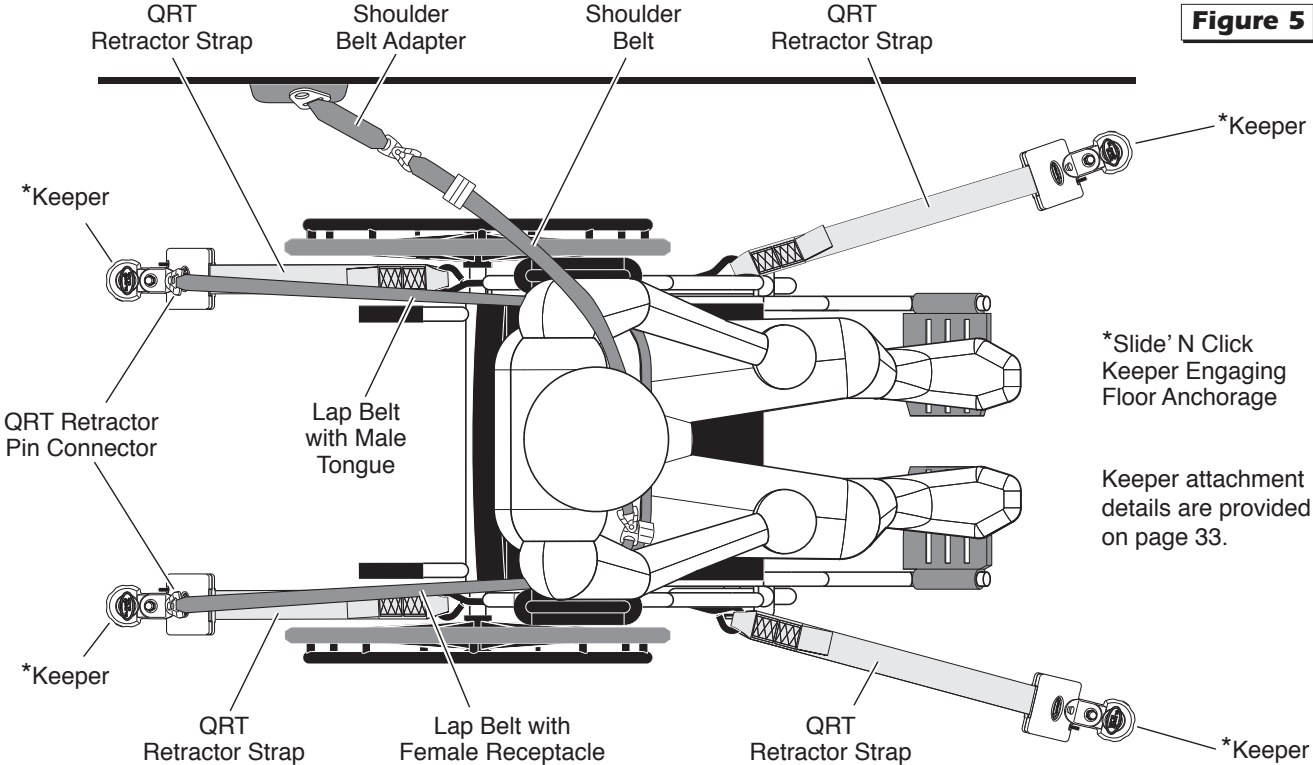


# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



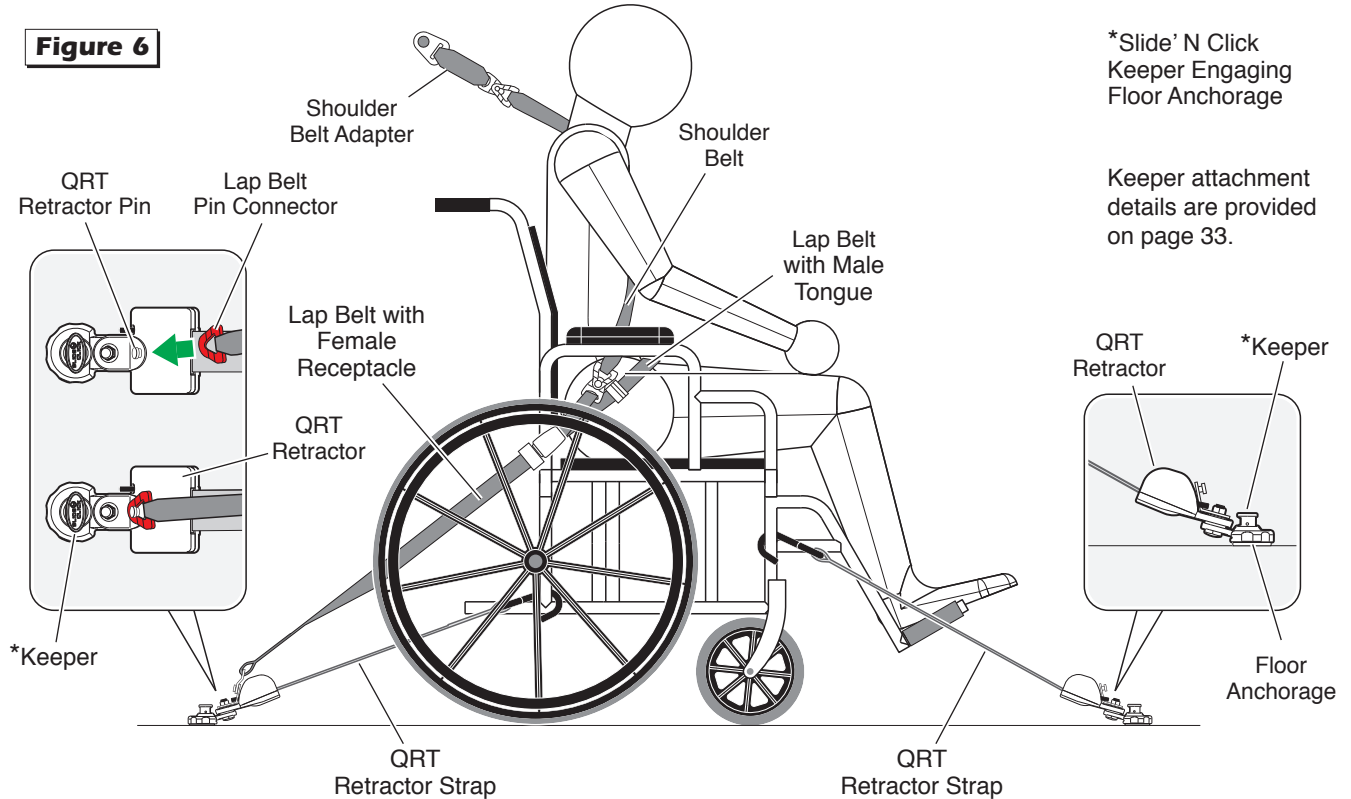
**WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT**

**Figure 5**



# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

**Figure 6**



\*Slide' N Click  
Keeper Engaging  
Floor Anchorage

Keeper attachment  
details are provided  
on page 33.

QRT  
Retractor

\*Keeper

Floor  
Anchorage

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Lap & Shoulder Belt Attachments

1. **Attach Lap Belts** - Use integrated stiffeners to feed belts through openings between seat backs and bottoms, and/or armrests to ensure proper belt fit around occupant.

- a. On the aisle side, attach belt with female buckle **1** to rear tiedown pin connector; ensuring buckle rests on passenger's hip.
- b. On the window-side, attach belt with male tongue **2** to rear tiedown pin connector and insert into female buckle **1**.

### 2. **Attach Shoulder Belt**

- a. On the window-side, attach shoulder belt pin connector **5** to wall mounted shoulder belt adapter **4**.

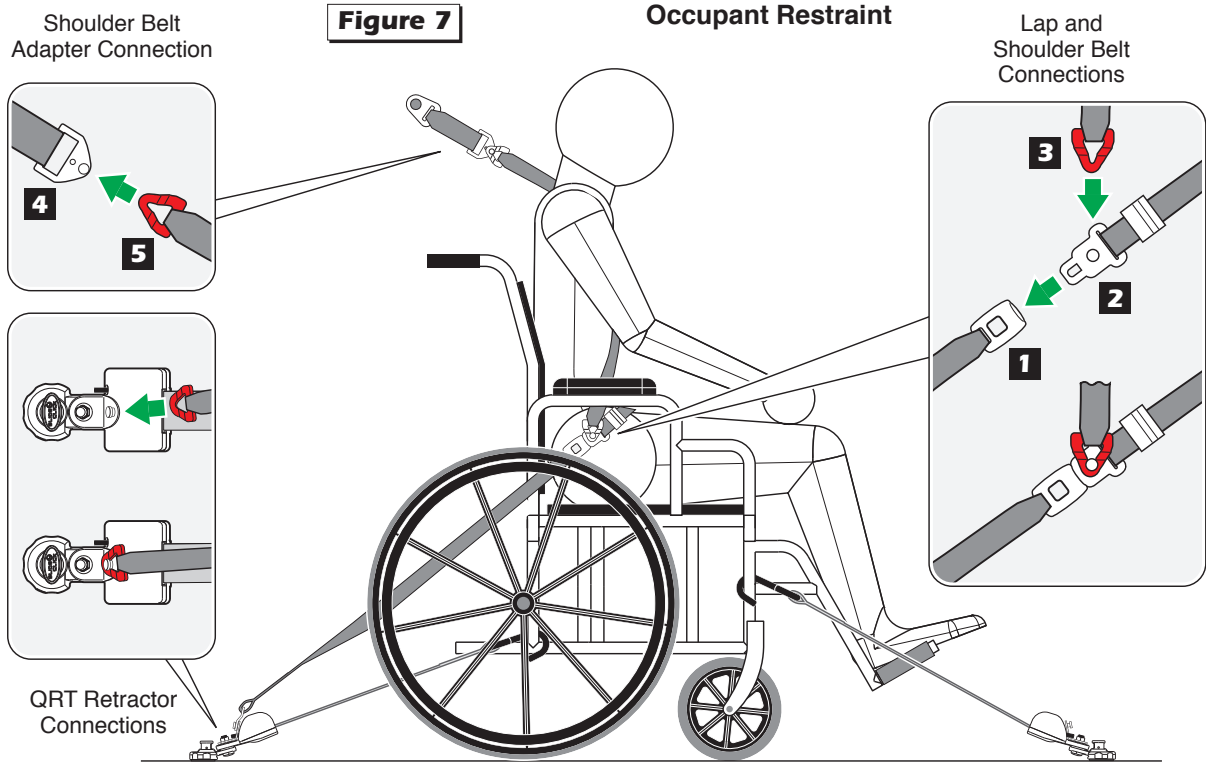
b. Extend shoulder belt over passenger's shoulder and across torso, and fasten pin connector **3** onto lap belt **2**.

3. **Occupant Restraint** - Ensure belts are adjusted as firmly as possible, but consistent with user comfort.

Lap and shoulder belts should bear upon the bony structure of the body and should be worn low across the front of the pelvis with the junction between the lap and shoulder belts located near the passenger's hip. Wheelchair occupant restraints should not be held away from the body by wheelchair components such as armrests, panels, wheels or frame. Follow all safety precautions and instructions supplied by the belt manufacturer.



# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



## SEAT OPERATION

### Front Row Seats

Front seats are not affected by the conversion. Refer to the OEM owner's manual for detailed operating procedures.

### Mid Row Flip and Fold Seats

Mid row seats retain OEM forward/rearward and recline features (detailed at right and in OEM owner's manual).

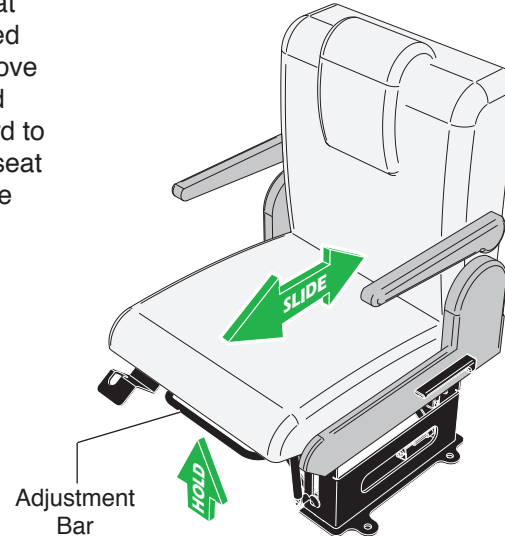
OEM second row seats are mounted on conversion cantilever "flip and fold" seat bases. This feature provides the option to stow seats clear of the lowered floor for unrestricted wheelchair access. Detailed instructions for stowing (folding) and deploying (unfolding) the cantilever seats are provided on pages 42 and 43.

Note: Operation procedures are the same for driver and passenger side second row seats (driver side seat shown in illustrations).

### Seat Forward - Rearward Adjustment

**Figure 8**

Pull the adjustment bar up and slide the seat to the desired position. Move seat forward and rearward to ensure the seat adjusters are latched.

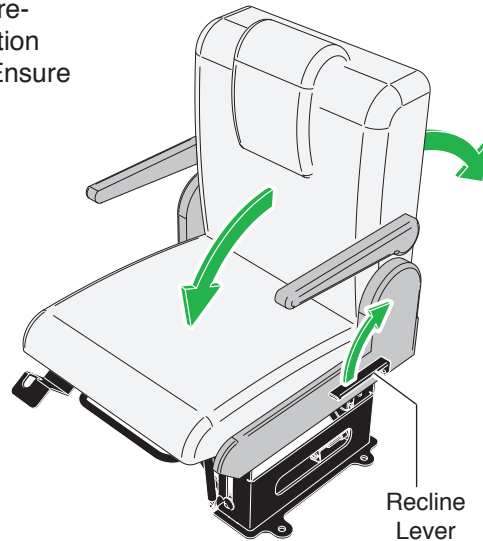


## Seat Back Adjustment

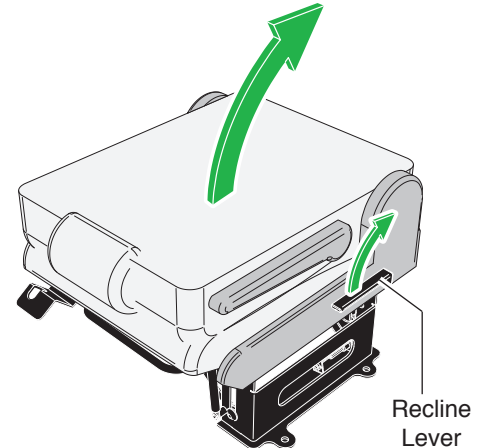
**Figure 9**

To Recline (Adjust) Seat Back: Lean forward slightly, lift the recline lever, recline to desired position and release lever. Ensure seat back has latched.

To Stow (Lower) Seat Back: Lift the recline lever and lower seat back forward and down to horizontal position (spring loaded action). Release lever.

**Figure 10**

To Deploy (Raise) Seat Back: Lift seat back rearward to vertical position.



## SEAT OPERATION

### Seat Stow and Deploy Operation

OEM center row seats are mounted on conversion cantilever “flip and fold” seat bases. This feature provides the option to stow seats clear of the lowered floor for unrestricted wheelchair access.

#### To Stow Seat

Follow the stowing procedures outlined on pages 42 and 43.

#### To Deploy Seat

Reverse seat stowing procedures.

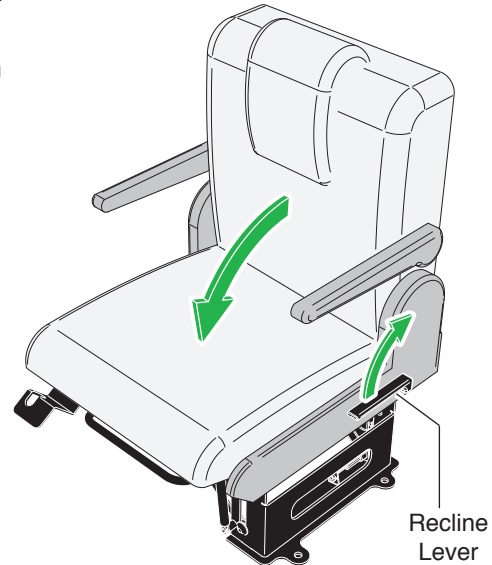
Note: Seat stowing procedures are depicted in illustrations. Reverse procedures to deploy seats.

Note: Operation procedures are the same for driver and passenger side second row seats (driver side seat depicted in illustrations).

### Stow (Lower) Seat Back

**Figure 11**

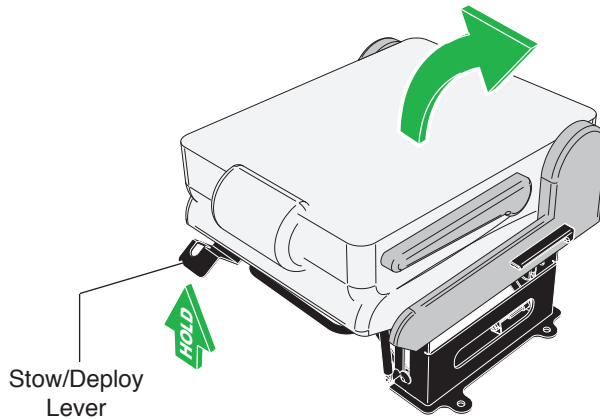
Lift the recline lever and lower seat back forward and down to horizontal position (spring loaded action). Release lever.



**Stow (Raise) Seat:**

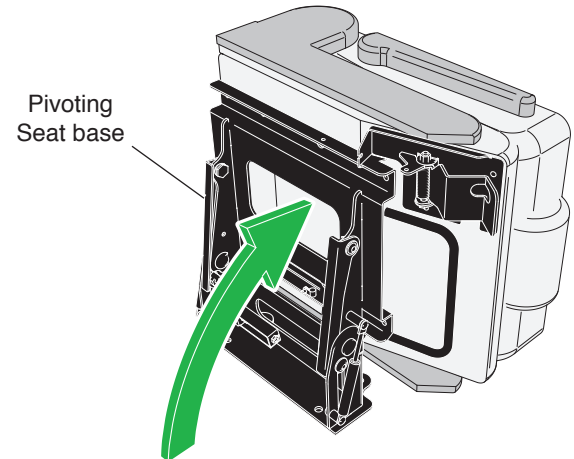
**Figure 12**

Use stow/deploy lever to release and raise (lift) the seat to the vertical position.



**Figure 13**

Ensure seat locks in stowed position.



## SEAT OPERATION

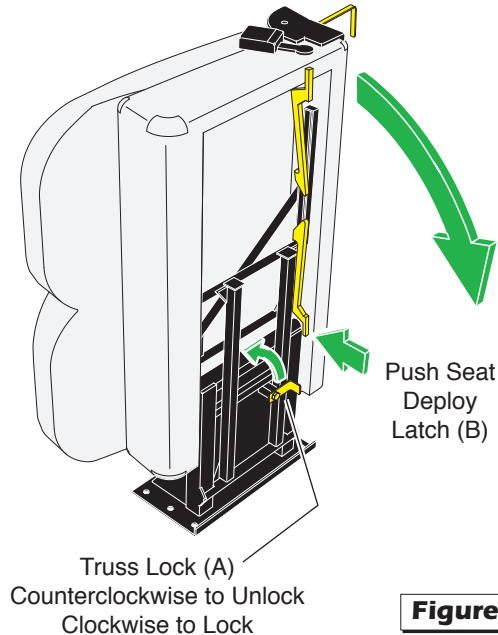
### Flip Down Rear Bench Seat (if equipped)

A two-passenger fold-a-way seat is available as a rear seating option. The two-passenger seat is mounted on a cantilever seat base. The seat can be stowed clear of the lowered floor for unrestricted wheelchair access when not in use.

### Deploy (Lower) Seat

To Deploy (Lower) Seat:

1. Rotate truss lock (A) counterclockwise to unlock seat.
2. Push seat deploy latch (B), pull top of seat and lower to full horizontal position (ensure locked).

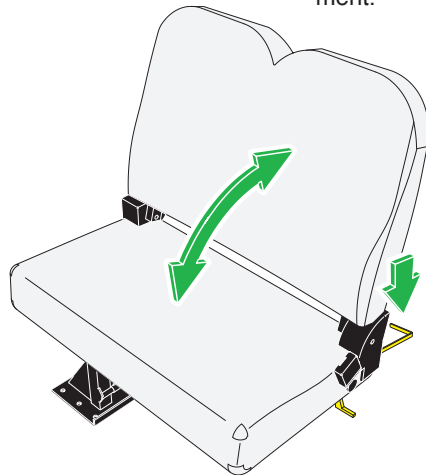


**Figure 14**

**Seat Back**

To Deploy (Raise) Seat Back:

Push down recline lever (C) and raise seat back rearward to vertical position. Ensure latch engagement.



Push down Recline Lever (C)

**Figure 15**

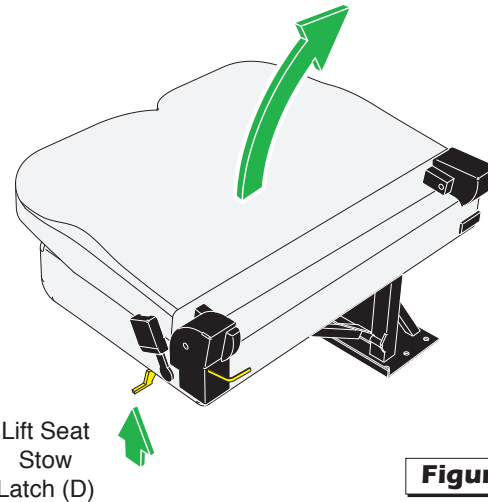
To Stow (Lower) Seat Back:

Push down recline lever (C) and lower seat back forward to horizontal position. Ensure latch engagement.

**Stow (Raise) Seat**

To Stow (Raise) Seat:

1. Lift seat stow latch (D) and lift seat to full vertical position (ensure vertical position (ensure latch locked)).
2. Rotate truss lock (A) clockwise to lock seat. See Figure 14.



Lift Seat Stow Latch (D)

**Figure 16**

BraunAbility® wheelchair accessible vehicles are designed to provide years of pleasure and mobility independence. Regular preventive maintenance procedures will ensure trouble-free operation and increase the service life of your vehicle, as well as enhancing safety. Review this maintenance section with your sales representative.

### Consumer Maintenance

As a consumer, general preventive maintenance cleaning and visual inspection procedures should be a part of your routine. Keeping the wheelchair accessible door and lowered floor opening clean is one of the most effective preventive maintenance practices the consumer can exercise. Inspect and clean often.

### Rear Entry Vehicles

Keep the ramp/lowered floor seal and opening free of debris, ice and snow.

Pay close attention to the wheelchair accessible power door, kneel and ramp functions (as equipped). Inspect wheelchair tiedowns, occupant restraint belts and associated hardware. See Strap, Belt and Anchorage Maintenance on page 31 for further details.

If there is any sign of damage, wear, abnormal condition or improper operation, discontinue use immediately. Contact your sales representative or call 1-800-488-0359. One of our BraunAbility® Customer Care representatives will direct you to an authorized service center.

Preventive maintenance procedures performed by the consumer do not take the place of the procedures outlined in the Maintenance Guidelines and Service Log Booklet, or the maintenance procedures specified in the corresponding service manual.

### WARNING

**Perform preventive maintenance procedures as detailed in this manual. Failure to do so may result in serious bodily injury and/or property damage.**





**Dealer Scheduled Maintenance**

Maintenance of the wheelchair accessible systems and equipment is vital to function and reliability. Mobility equipment maintenance should be performed in conjunction with the maintenance scheduled by the vehicle OEM manufacturer.

Have OEM and BraunAbility® maintenance procedures performed according to recommended oil change intervals, or at 5,000 mile/8,000 km/6 month intervals (whichever comes first). A detailed maintenance schedule is provided in the Maintenance Guidelines and Service Log

Booklet that will closely correspond with the OEM maintenance schedule. Keep track of scheduled maintenance and service procedures in the Maintenance and Service Log.

BraunAbility® lowered floor wheelchair accessible vehicles must be maintained and serviced by authorized service representatives who have attended the Mobility Service Excellence training program (MSE certified).

Service technicians should be familiar with the lowered floor configuration and any specialized driving equipment (driving controls). Extra care must be taken to avoid possible damage.

Your BraunAbility® certified dealer can perform maintenance and

service procedures, or recommend a qualified service facility. If in doubt, call 1-800-488-0359. A BraunAbility® Customer Care representative will direct you to an authorized service center.

**⚠ WARNING**

**Maintenance and lubrication procedures must be performed by authorized service personnel as specified in this manual and applicable service manual. Failure to do so may result in serious bodily injury and/or property damage.**

## JACKING AND TIRE CHANGING

### Jacking and Tire Changing

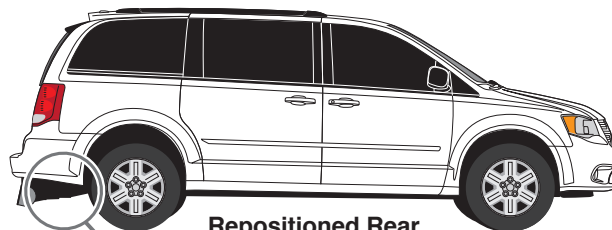
**Interior Spare Tire Mount:** The spare tire is located in the rear of the vehicle on the driver side.

**Jack Location:** The OEM jack, jack handle and winch handle tools are stored inside the rear passenger side wall compartment (OEM location).

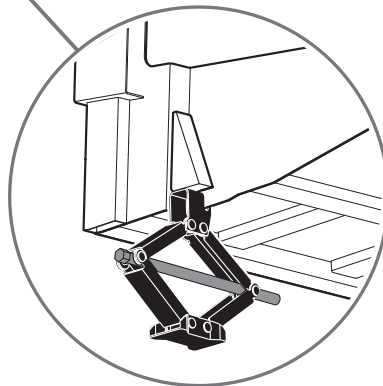
**Jack Points:** Front wheel jack points have not been affected by the conversion (OEM location). Rear wheel jacking points have been repositioned during conversion procedures. The relocated vehicle jack points are depicted in the illustration at right. Position slotted jack on to cut-out under gusset as shown.

**Jacking and Tire Changing Procedures:** Jacking and tire changing procedures have not been affected by the conversion. Detailed tire changing instructions are provided in the OEM-supplied owner's manual.

Refer to the OEM-supplied manual for tire changing instructions and safety precautions, as well as instructions regarding other roadside emergencies.



**Repositioned Rear  
Wheel Jack Points**



**Towing with a Lowered Floor Vehicle**

Use of a lowered floor vehicle for towing is prohibited.

**Transporting a Lowered Floor Vehicle**

BraunAbility lowered floor vehicles should be transported on a trailer rather than towed with one set of wheels suspended and the other set of wheels remaining in road contact.



**Trailer Transport**

## REPORTING SAFETY DEFECTS

### Reporting Safety Defects to BraunAbility

In addition to notifying NHTSA we certainly hope you will notify us. Please contact Customer Care at 1-800-488-0359, or write:

BraunAbility  
631 West 11th Street  
P.O. Box 310  
Winamac, IN 46996 USA

### Reporting Safety Defects to the United States Government

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying BraunAbility.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer or BraunAbility.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, D.C. area) or write to:

NHTSA, U.S. Department of Transportation  
Washington, D.C. 20590

You can also obtain other information about motor vehicle safety from the Hotline.





1.800.THE.LIFT®

1.800.843.5438

[braunability.com](http://braunability.com)

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