

Owner's/Installation Manual for:

Companion Seat™

**Assistive Power Seat Base
for Chrysler Mini-Vans**

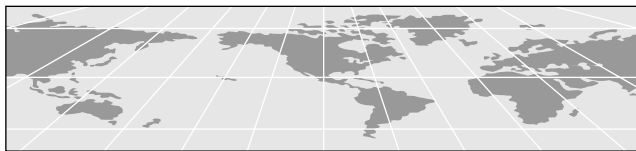


Note to Dealer:
Provide this manual
to the consumer.

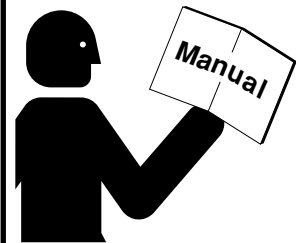
See inside cover
for warranty and
registration information.

 **THE BRAUN
CORPORATION®**
"Providing Access to the World"®

International Corporate Hdqrs: P.O. Box 310 Winamac, IN 46996 USA
1-800-THE LIFT (574) 946-6153 FAX: (574) 946-4670



WARNING




**Read manual
before operating
or installing seat.
Failure to do so
may result in
serious bodily
injury and/or
property damage.
Keep manual in
seat vehicle.**

**Companion Seat™
for Chrysler Mini-Vans**

Congratulations

We at The Braun Corporation wish to express our fullest appreciation on your new purchase. With you in mind, our skilled craftsmen have designed and assembled the finest assistive power seat base available. Your Companion Seat™ is built for dependability, and will bring you years of pleasure and independence, as long as the Companion Seat™ is installed properly and operated by an instructed person.

Sincerely,
THE BRAUN CORPORATION



Ralph W. Braun
Chief Executive Officer

Warranty and Registration Instructions

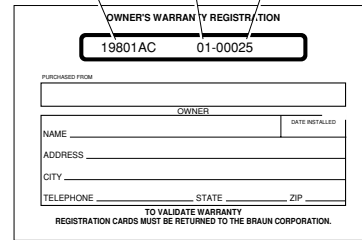
Immediately upon receiving the Companion Seat™, examine the unit for any damage. Notify the carrier at once with any claims.

Two warranty/registration cards (shown right) are located in the shipping carton (in envelope). The sales representative must process one of the cards. The consumer must fill out the other card and mail it to The Braun Corporation. The warranty is provided on the back cover of this manual. The **warranty cards must be processed to activate the warranty.**

One Braun Serial No./Series No. identification tag (sample shown below) is posted on the seat base. A second I.D. tag is posted at right.

Both I.D. tags provide the same product identification information provided on the Warranty/Registration card (shown above).

Model No. Series No. Serial No.



OWNER'S WARRANTY REGISTRATION

19801AC 01-00025

PURCHASED FROM _____

OWNER _____

NAME _____ DATE INSTALLED _____

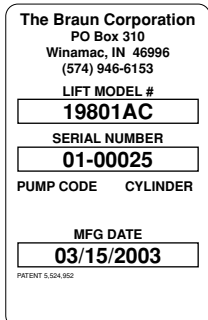
ADDRESS _____

CITY _____

TELEPHONE _____ STATE _____ ZIP _____

TO VALIDATE WARRANTY
REGISTRATION CARDS MUST BE RETURNED TO THE BRAUN CORPORATION.

Sample Warranty/Registration Card



The Braun Corporation
PO Box 310
Winamac, IN 46996
(574) 946-6153

LIFT MODEL #
19801AC

SERIAL NUMBER
01-00025

PUMP CODE CYLINDER

MFG DATE
03/15/2003

PATENT 5,524,952

Product identification information must be provided when filing a warranty claim or ordering parts.

Sample Identification Tag



Braun Corporation Product Bulletin

Operation: Disregard this supplement unless you are installing the Companion Seat™. Companion Seat™ operation procedures are not affected. Refer to pages 2-8 of this manual for all Companion Seat™ safety and operation details.

Installation: This supplement is an installation related bulletin. Read this supplement as well as all installation instructions contained in this manual (and additional supplements) **before** beginning installation procedures.

Installation procedures are dependent upon model year of the Chrysler Minivan and whether the van is equipped with a passenger side power slide door or non-power slide door.

Passenger Side Power Slide Door: When installing a Companion Seat in a Chrysler Minivan equipped with a passenger side power slide door, the power source for the Companion Seat is an OEM wiring harness located in the passenger side B-pillar (accessed in Step 30 of the Installation Instructions provided in this manual).

Jumper harnesses are supplied to interface between the OEM B-pillar harness and the Companion Seat. Jumper harnesses are exclusive per vehicle model year and type of slide door. The harness selection for 2005 minivans is dependent upon whether equipped with a side curtain air bag. Refer to the Power Harness Application Chart to select the correct jumper

harness. All harnesses are supplied in the installation package. Harnesses are packaged and labeled individually. Select the applicable harness and install it as addressed in Step 33 of the Installation Instructions.

Passenger Side Non-Power Slide Door: When installing a Companion Seat™ in a Chrysler Minivan equipped with a passenger's side manual (non-power) slide door, the power supply for the Companion Seat™ is provided by the OEM power module (fuse center) located in the engine compartment rather than the B-pillar source.

An alternate power supply harness and a 40 amp fuse for the OEM fuse box are supplied in the installation parts package for non-power slide door applications. Refer to Supplement 29977 for installation procedures.

Contact The Braun Corporation at 1-800-THE LIFT if you have any questions regarding this bulletin.

Service: An electrical schematic and a wiring diagram applicable for the Chrysler Companion Seat installed in a 2005 minivan are provided in this supplement (fold out pages 2A/3A and 3A/3B).

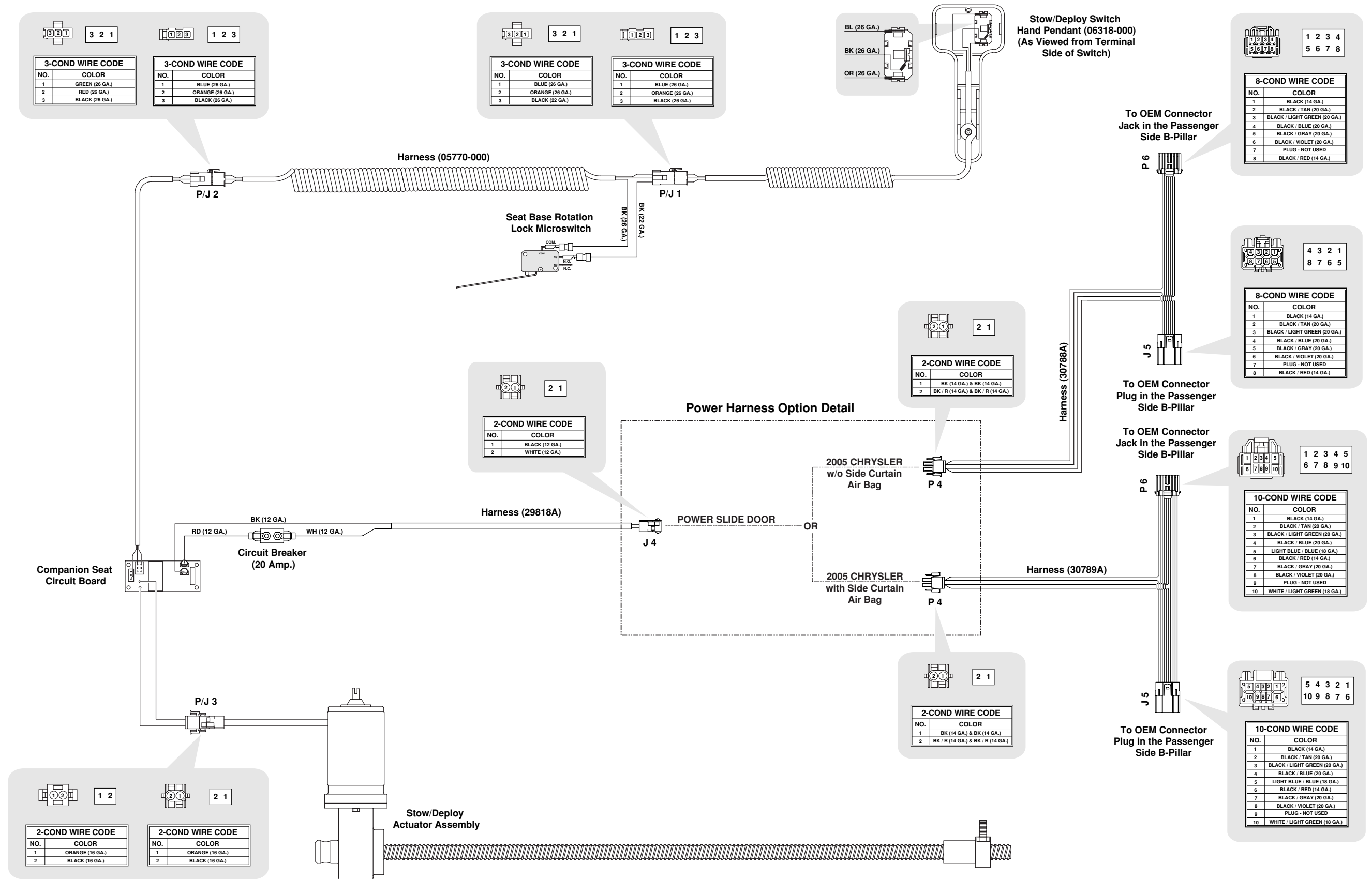
All illustrations, descriptions and specifications in this supplement are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.

Power Harness Application Chart

| Chrysler Minivan Model Year | Passenger Side Slide Door | Harness | Instructions |
|-------------------------------------|----------------------------------|------------------------------|---|
| 2003 | Power | E50423A | Installation Instructions on pages 10-27 of this manual. |
| 2003 | Non-Power | 29943A | Supplement 29977 and Installation Instructions on pages 10-27 of this manual. |
| 2004 | Power | E50423A0401 | Supplement 30303 and Installation Instructions on pages 10-27 of this manual. |
| 2004 | Non-Power | 29943A | Supplement 29977 and Installation Instructions on pages 10-27 of this manual. |
| 2005 (w/o Side Curtain Air Bag) | Power | 30788A (8 Pin Connector) | Installation Instructions on pages 10-27 of this manual. |
| 2005 (with Side Curtain Air Bag) | Power | 30789A (10 Pin Connector) | Installation Instructions on pages 10-27 of this manual. |

2005 Chrysler Companion Seat Wiring Diagram

Note: Shown with Companion Seat in stowed position.



Unfold for:
2005 Companion Seat™
Wiring Diagram

Chrysler Companion Seat Installation Supplement 30792

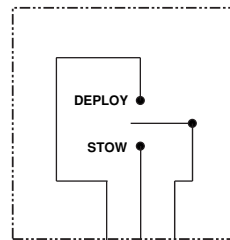
2005 Chrysler Companion Seat Electrical Schematic

Note: Shown with Companion Seat in stowed position.

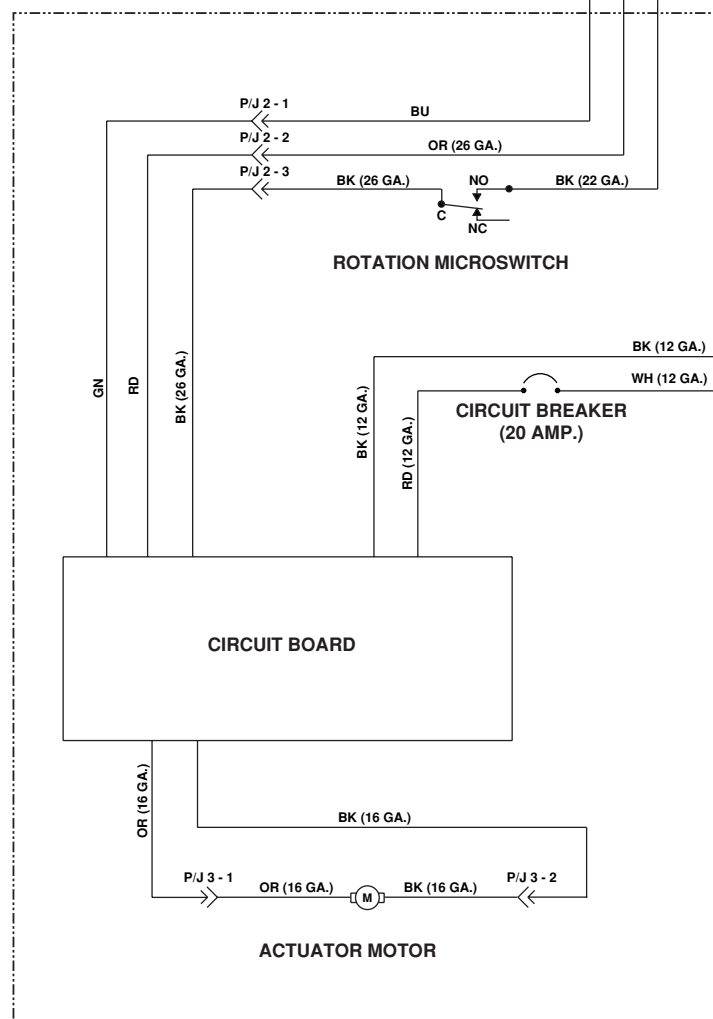
SYMBOLS LEGEND

| DESCRIPTION | SYMBOL |
|-----------------|--------|
| POWER SOURCE | |
| CHASSIS GROUND | |
| CIRCUIT BREAKER | |
| CONNECTORS | |
| JUNCTION | |
| MOTOR | |
| SWITCH | |
| MICROSWITCH | |

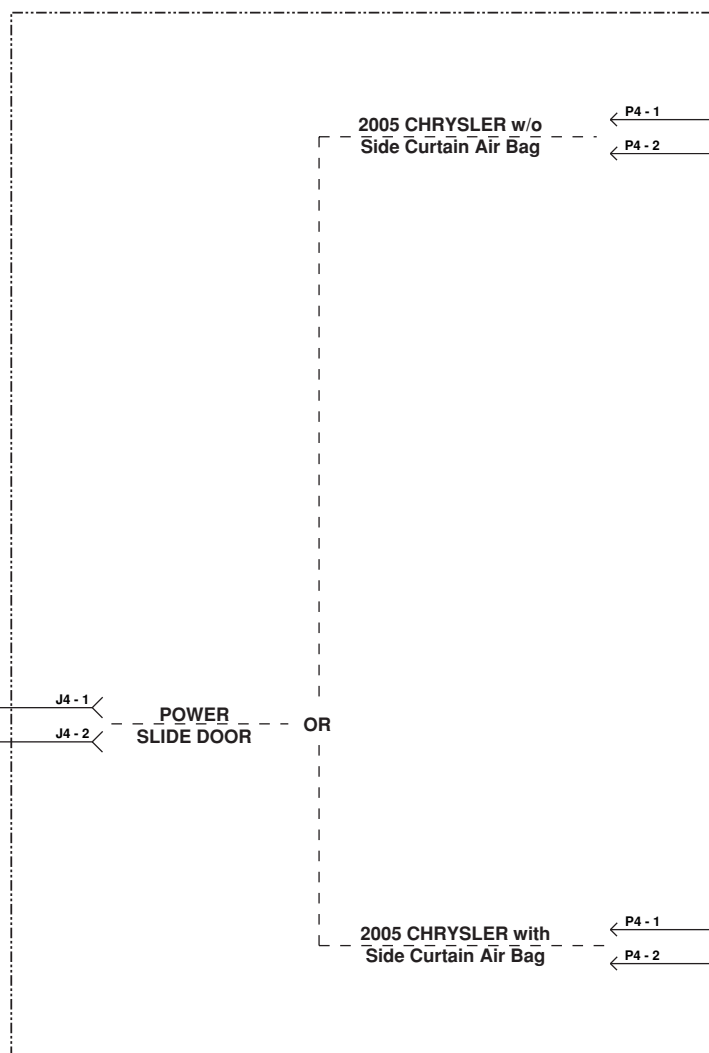
HAND PENDANT SWITCH BOX



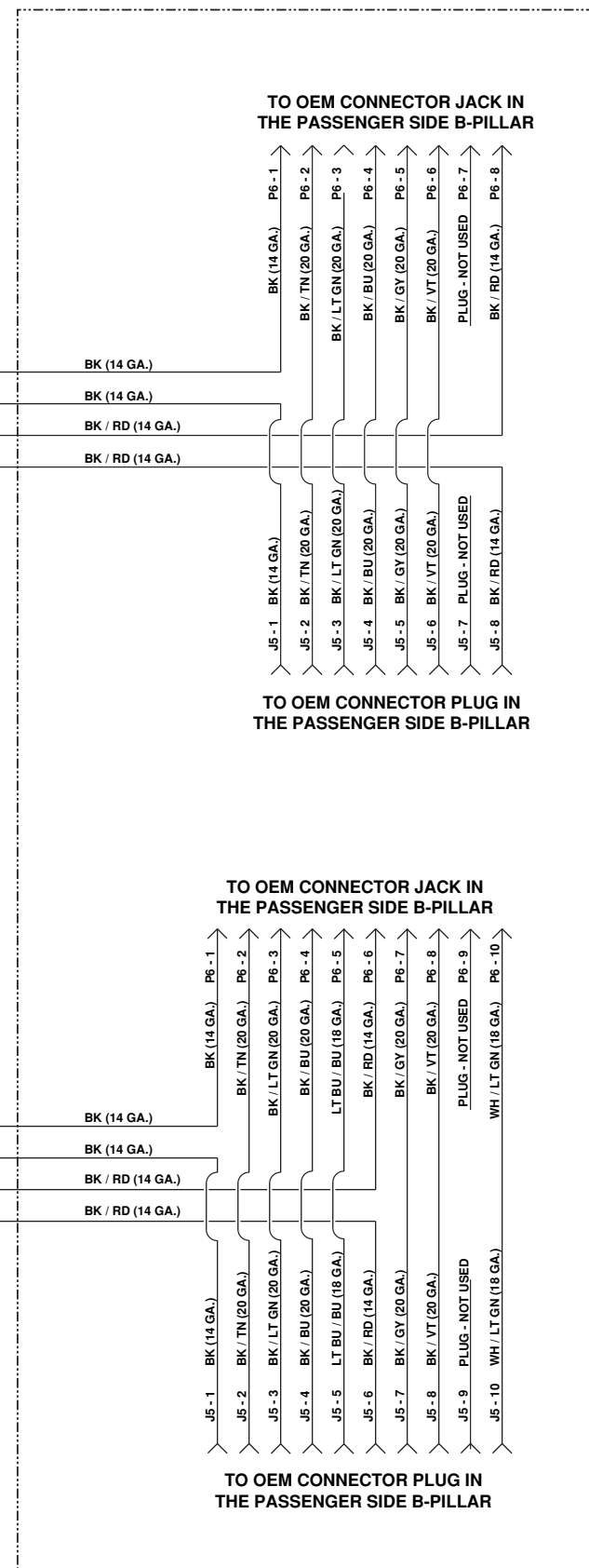
COMPANION SEAT HOUSING



POWER HARNESS OPTION DETAIL



VEHICLE POWER CONNECTION



Braun Corporation Product Bulletin

Effective For: 2004 and newer Chrysler Mini-vans equipped with a passenger's side power slide door.

This supplement is an installation and service related bulletin. Companion Seat™ operation procedures are not affected. Refer to pages 2-8 of this manual for all Companion Seat™ safety and operation details.

Installation: Read this supplement as well as all installation instructions contained in this manual (and additional supplements) **before** beginning installation procedures.

If you are installing the Companion Seat™ in a vehicle produced before the 2004 model year or the vehicle is equipped with a passenger side manual (non-power) slide door, **disregard** this bulletin. Install the unit as detailed in the Installation Instructions provided in this manual. Refer to Supplement 29977 for passenger side manual (non-power) slide door applications.

When installing a Companion Seat in a Chrysler Mini-van equipped with a passenger side power slide door, the power source for the Companion Seat is an OEM wiring harness located in the passenger side B-pillar (accessed in Step 30 of the Installation Instructions).

Jumper harnesses are supplied to interface between the OEM B-pillar harness and the Companion Seat.

The harness supplied for Pre-2004 mini-vans is equipped with 10-pin connectors (part number E50423A). This harness is addressed in Step 33 of the Installation Instructions.

The 2004 Chrysler mini-van B-pillar OEM harness is equipped with 8-pin connectors. Jumper harness E50423A0401 is now supplied for 2004 installations (equipped with mating 8-pin connectors). Refer to the installation update in this supplement for further details.

Service: An electrical schematic and a wiring diagram applicable for the Chrysler Companion Seat are provided in this supplement.

Complete all procedures outlined in Steps 1-32 of the Installation Instructions provided in this manual. Omit Step 33 of the Installation Instructions, and replace this step with the procedure detailed below. Then, complete the installation as outlined in Steps 34-42 of the Installation Instructions.

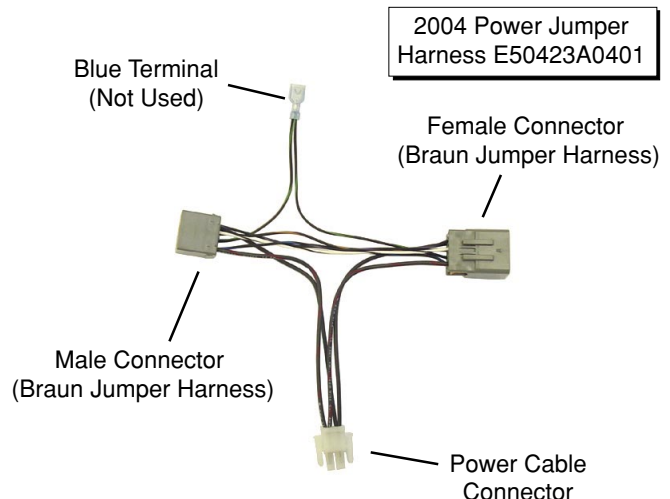
Contact The Braun Corporation at 1-800-THE LIFT if you have any questions regarding this bulletin.

All illustrations, descriptions and specifications in this supplement are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.

Power Supply Installation Instructions for 2004 Passenger Side Power Slide Door Mini-Vans

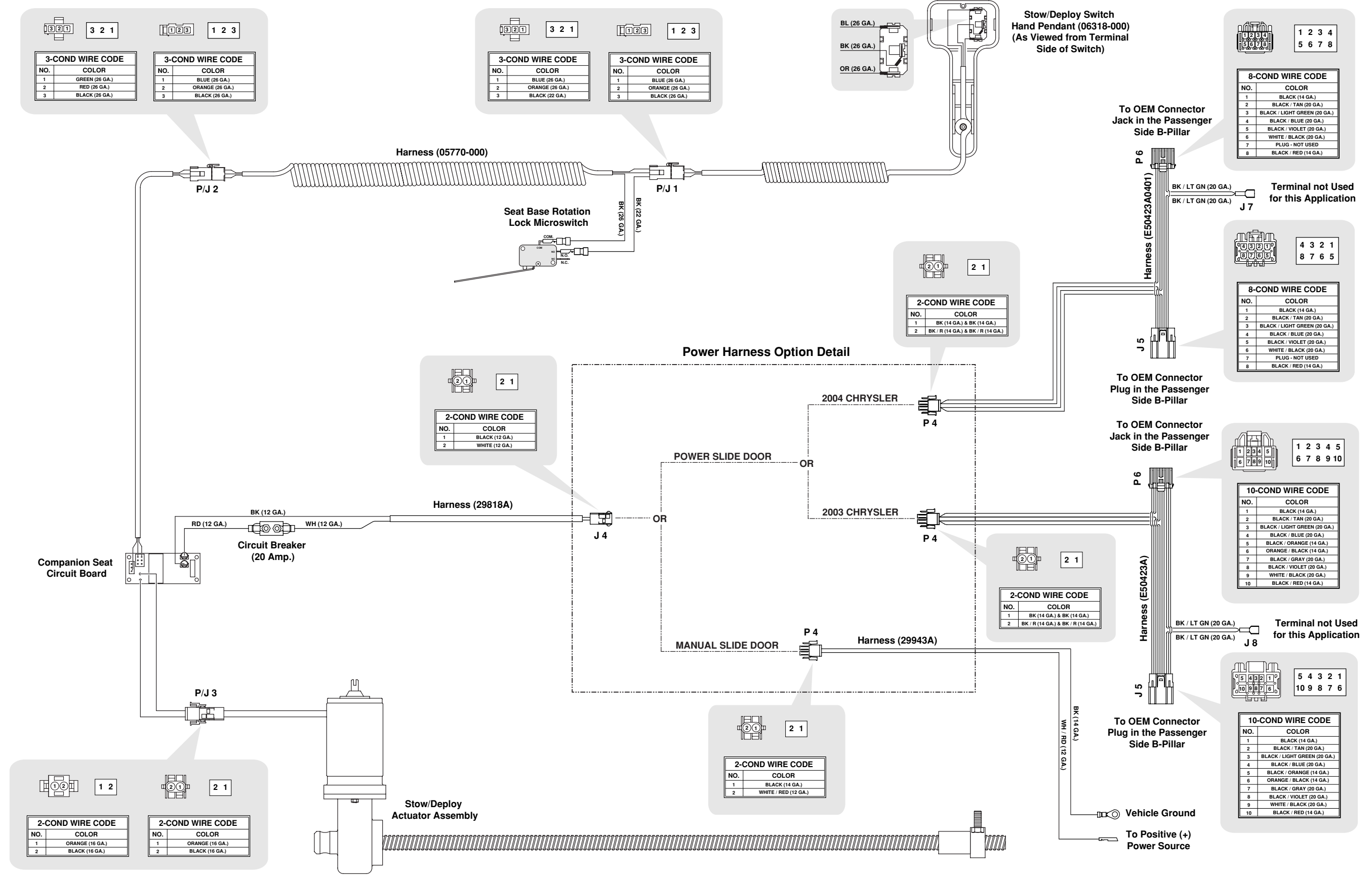
33 Use jumper Harness E50423A0401 to provide power to the Companion Seat. Connect the power cable from the Companion Seat to the white connector on the jumper harness. Place the harness between the two OEM connectors previously disconnected in the passengers side B-Pillar. Connect the mating 8-pin jumper harness and OEM harness connectors. Be sure to snap in each of the connectors retaining clips.

Note: The Blue terminal on the Braun Harness is not used for this application!



Chrysler Companion Seat Wiring Diagram

Note: Shown with Companion Seat in stowed position.

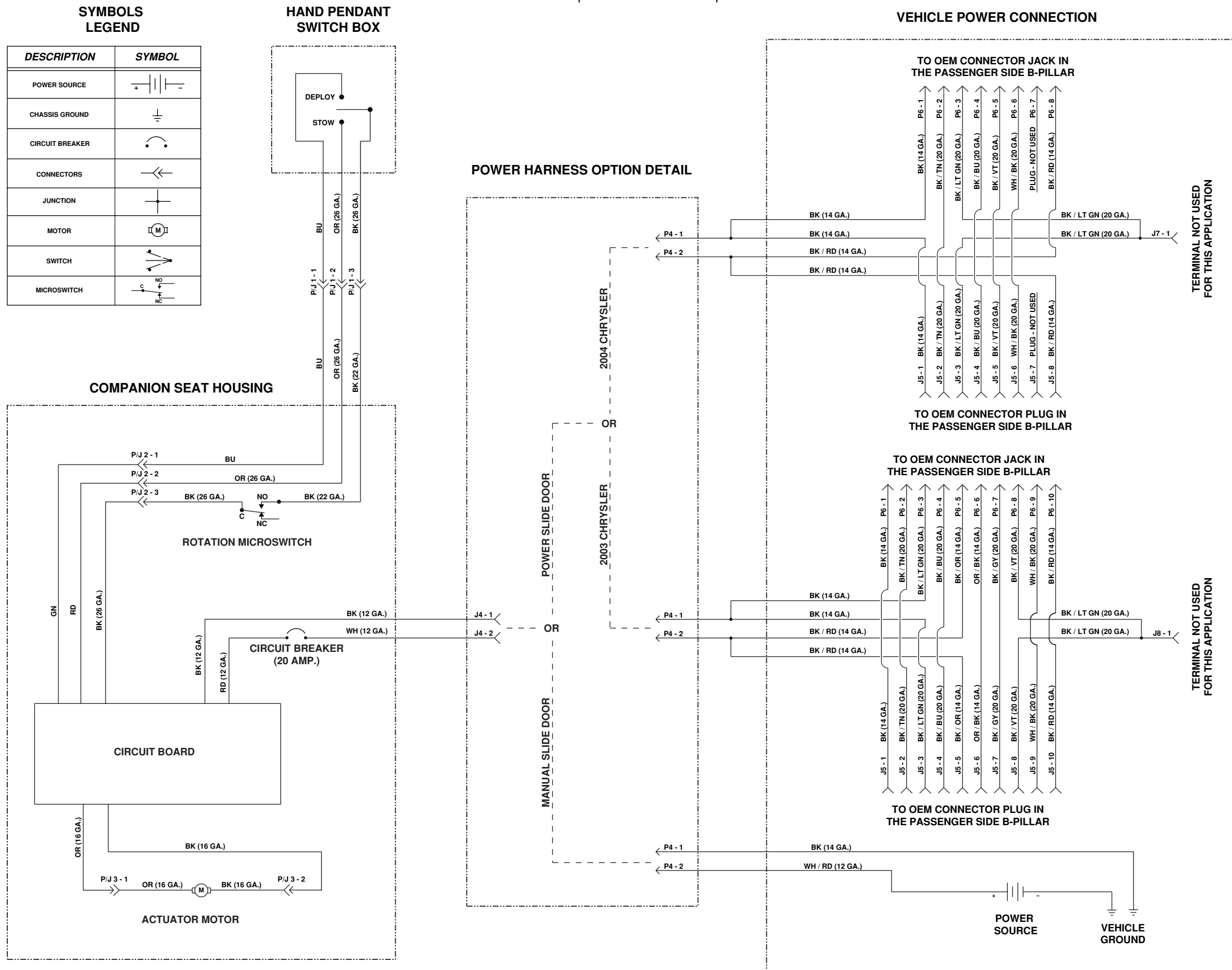


Unfold for:
Companion Seat™
Wiring Diagram

Chrysler Companion Seat Installation Supplement 30303

Chrysler Companion Seat Electrical Schematic

Note: Shown with Companion Seat in stowed position.



Braun Corporation Product Bulletin

Effective For: 2003 and newer Chrysler Mini-vans equipped with a passenger's side manual (non-power) slide door.

This supplement is an installation-related bulletin. Companion Seat™ operation procedures are not affected. Refer to pages 2-8 of this manual for all Companion Seat™ safety and operation details.

Installation: Read this supplement as well as all installation instructions contained in this manual (and additional supplements) **before** beginning installation procedures.

If you are installing the Companion Seat™ in a vehicle equipped with a passenger's side power slide door, **disregard** this bulletin. Install the unit as detailed in the Installation Instructions provided in this manual.

When installing a Companion Seat™ in a 2003 and newer Chrysler Mini-van equipped with a passenger's side manual (non-power) slide door, the power supply for the Companion Seat™ is provided by the OEM power module (fuse center) located in the engine compartment rather than the source specified in the Installation Instructions provided in this manual. The power source identified in Steps 30-33 of the Installation Instructions is not available in vehicles equipped with a non-

power slide door.

An alternate power supply harness and a 40 amp fuse for the OEM fuse box are supplied in the installation parts package for non-power slide door applications.

Complete all procedures outlined in Steps 1 - 31 of the Installation Instructions provided in this manual. Route, connect and secure the alternate power supply harness as detailed in this supplement. Cycle the Companion Seat to ensure the power source and Companion Seat operation. Then, complete the installation as outlined in Steps 35 - 42 of the Installation Instructions.

Contact The Braun Corporation at 1-800-THE LIFT if you have any questions regarding this bulletin.

All illustrations, descriptions and specifications in this supplement are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.

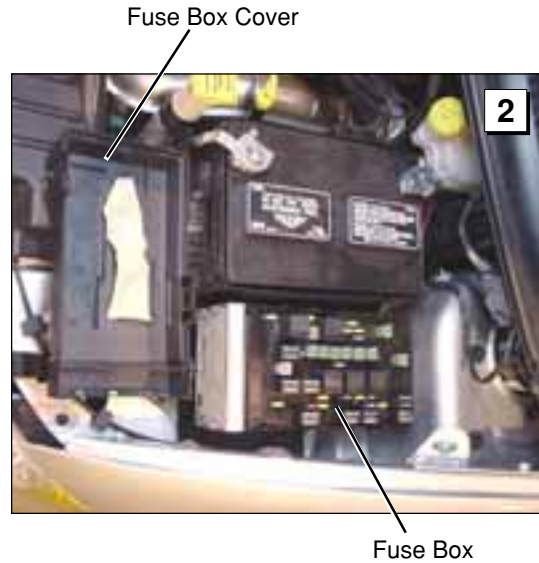
Power Supply Installation Instructions for Non-power (Manual) Slide Door Mini-Vans

- 1 Disconnect OEM battery cables from battery. Remove battery.



Chrysler Companion Seat Installation Supplement 29977

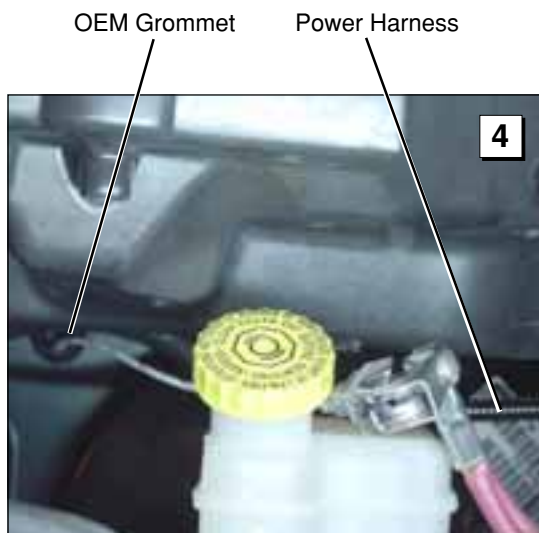
- 2** Remove OEM fuse box cover.



- 3** An OEM rubber grommet is located approximately 8" directly above the accelerator pedal. Cut a small slit in the grommet and route the white with red wire from the power harness through the grommet into the engine compartment.



- 4** Route the power wire as shown in Photo 4. See Photo 6 for additional routing orientation.

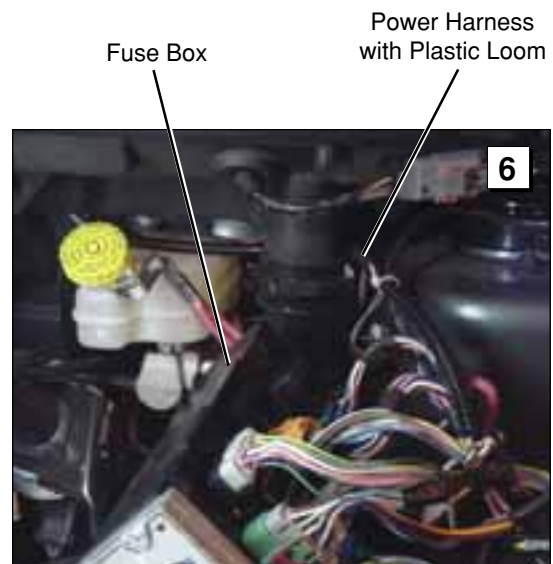


- 5** Release the fuse box latch and flip the fuse box toward the battery compartment to expose the connectors on the bottom of the fuse box.



Fuse Box Latch

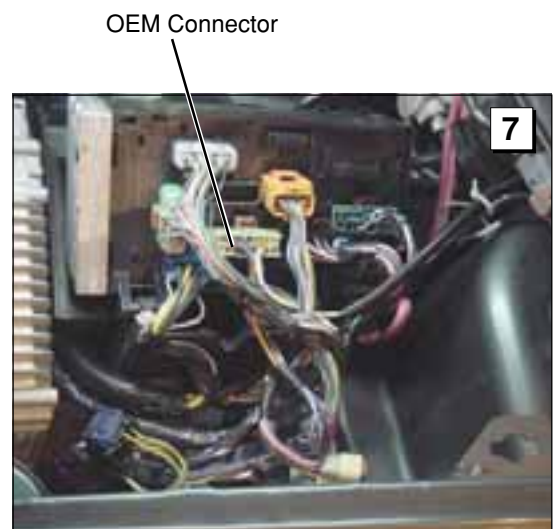
- 6** This photo shows the fuse box flipped open to expose the connectors.



Fuse Box

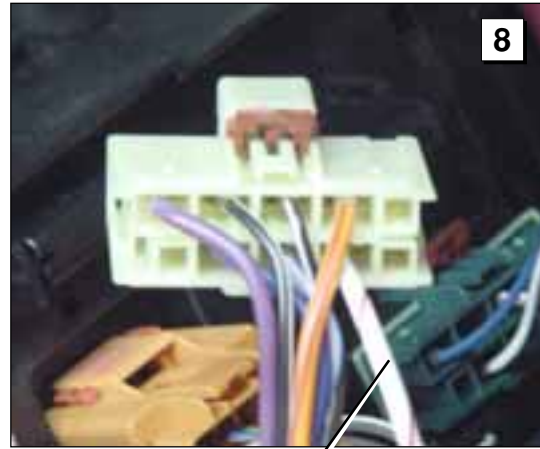
Power Harness with Plastic Loom

- 7** Disconnect the OEM connector identified in Photo 7. You may need to remove other connectors to access the specified connector.



OEM Connector

- 8** Remove the green locking tab from the connection side of the plug. Insert white with red power wire into connector position [9] as shown. Reinsert locking tab to secure the terminal. Reinsert plug, reposition fuse box and reinstall battery. Reference the previous steps in reverse order for reassembly of OEM battery and fuse box.



White with Red Wire

Passenger's Front Door Sill Plate

- 9** Remove the sill panel from the passenger's front door. The panel is secured with snap fasteners.



Route power supply cable through door sill area.

Side Door Sill Plate
(Previously Removed)

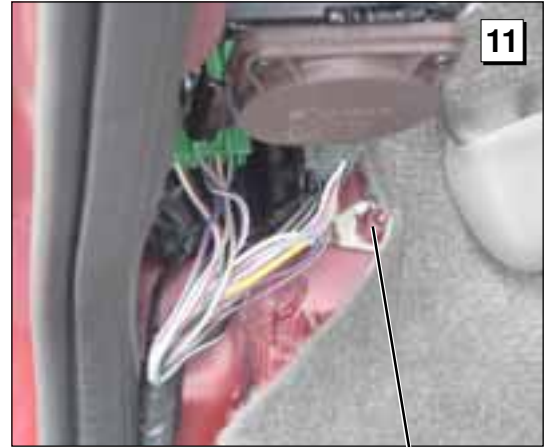
Lower B-pillar Interior Panel
(Previously Removed)

- 10** Remove the sill panel from the passenger's side slide door secured with snap fasteners. **Carefully** remove the lower B-pillar panel to expose the OEM ground stud. Route the power supply cable from the engine compartment under the dash to the passenger side. Route the cable under the carpet and through the exposed door sill to the "B-pillar" (location Companion Seat™ harness was previously routed to).



Companion Seat Power Cable

- 11** Connect the power supply harness black wire eye terminal to the OEM ground stud at the B-pillar. Connect the power supply 2-pin connector to the Companion Seat™ harness 2-pin connector.



Ground Stud

- 12** Install the 40 amp fuse in position [4] to provide power to the Companion Seat™. Cycle the Companion Seat™ to assure that all the connections have been made properly. Reinstall fuse box cover.



Fuse

- 13** Secure the OEM lower B-pillar panel, the passenger's side slide door sill panel and the passenger's front door sill panel. Complete the Companion Seat installation as outlined in Steps 35 - 42 of the Installation Instructions provided in this manual.

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Companion Seat Operation Safety

Safety Symbols

SAFETY FIRST! Know That...

A All information contained in this manual is provided for your safety. Familiarity with proper operation instructions as well as proper installation and 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

⚠WARNING

This symbol indicates important safety information regarding a potentially hazardous situation that could result in serious bodily injury and/or property damage.

C

⚠CAUTION

This symbol indicates important information regarding how to avoid a hazardous situation that could result in minor personal injury or property damage.

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

These symbols will appear throughout this manual as well as on the labels posted on your Companion Seat™. **Recognize the seriousness of this information.**

Companion Seat Operation Safety

⚠ WARNING

If the seat operating instructions, manual operating instructions and/or seat operation safety precautions are not fully understood, contact The Braun Corporation immediately. Failure to do so may result in serious bodily injury and/or property damage.

Companion Seat Operation Safety Precautions

- ⚠ WARNING** Read manual before operating seat. Read and become familiar with all seat safety precautions, seat pre-operation notes, seat operating instructions and manual operating instructions before operating seat.
- ⚠ WARNING** Engage vehicle parking brake before operating seat.
- ⚠ WARNING** Engage vehicle transmission in park before operating seat.
- ⚠ WARNING** Do not operate seat if you suspect seat damage, wear or any abnormal condition.
- ⚠ WARNING** Keep hands, arms, fingers and all other body parts clear of moving seat parts.

- ⚠ WARNING** Extend seat fully and recline to safe position before using seat. **Note:** Details on page 4.
- ⚠ WARNING** Lower head to clear vehicle door header. **Note:** Details on page 5.
- ⚠ WARNING** Rotate and lock seat in forward position before operating vehicle. **Note:** Details on page 3.
- ⚠ WARNING** Provide adequate clearance outside vehicle to accommodate fully-open door before operating seat.
- ⚠ WARNING** Open passenger door fully before operating seat.
- ⚠ WARNING** Do not overload or abuse seat. The load rating applies to both extending and retracting functions - **continuous operating capacity is 300 lbs.**
- ⚠ WARNING** Never modify (alter) a Braun Corporation Companion Seat™.
- ⚠ WARNING** Keep Owner's/Installation manual in Companion Seat-equipped vehicle at all times.
- ⚠ WARNING** Do not use accessory devices not authorized by The Braun Corporation.
- ⚠ WARNING** Do not remove any guards or covers.
- ⚠ WARNING** Accidental activation of STOW/DEPLOY switch on the control pendant may cause unintended seat operation.
- ⚠ WARNING** Disengage vehicle passenger's seat belt before rotating seat outward and extending seat.
- ⚠ WARNING** Position and engage vehicle passenger's seat belt as instructed in vehicle owner's manual before operating vehicle.
- ⚠ WARNING** Lift feet when rotating seat.
- ⚠ WARNING** Release the hand pendant toggle switch from the **DEPLOY** position once the seat is fully extended.
- ⚠ WARNING** Release the hand pendant toggle switch from the **STOW** position once the seat is fully retracted.
- ⚠ WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Companion Seat Pre-Operation Notes

The Companion Seat provides aid for those who have difficulty entering or exiting Chrysler Mini-vans using the OEM (original) passenger's seat. The Companion Seat utilizes your van's original passenger's seat mounted on an electric actuator-powered seat base.

The seat base conveniently extends the seat automatically out of the vehicle and lowers the seat cushion to an easy to load and unload position. The seat base then raises and retracts the seat and occupant automatically into the vehicle.

The seat-equipped **STOW/DEPLOY** switch controls seat extending and retracting functions. The seat passenger and/or assistant must manually open and close the vehicle door and manually rotate the seat. It is the responsibility of the passenger to

engage and disengage the vehicle-equipped passenger's seat belt **as instructed by the vehicle manufacturer.**

Always engage the vehicle parking brake and engage the vehicle transmission in "Park" **before** operating the Companion Seat. Be certain the passenger door is fully open **before** operating the seat. Visually inspect the seat **before** operation. **Do not operate the seat if you suspect damage, wear or any abnormal condition.**

Read and become familiar with all seat operation safety precautions, seat pre-operation notes, seat operating instructions and manual operating instructions **before** attempting seat operation procedures. Contact The Braun Corporation immediately if any of this information is not understood. Call 1-800-THE LIFT.

⚠️ WARNING

Read and become familiar with all seat operation safety precautions, seat pre-operation notes, seat operating instructions and manual operating instructions before attempting seat operation procedures. Contact The Braun Corporation immediately if any of this information is not understood. Failure to do so may result in serious bodily injury and/or property damage.

Seat Rotation

A yellow-handled lever is located on the driver's side of the Companion Seat base. Simply lift the lever to disengage the seat from the locked (engaged) position and manually rotate the seat. The spring-loaded seat rotation lever engages (locks) when the seat is rotated fully outward (seat faces doorway) or rotated fully inward (seat faces forward).

Rotate and lock seat in forward position before operating vehicle. Push the yellow-handled lever down to ensure the lever is engaged (seat is locked). Always test the seat to be certain the seat rotation lever is in the engaged position.

Note: The passenger must lift and rotate his or her feet when rotating the seat.

Note: The seat **must** be manually rotated fully-outward to the locked position before the **STOW/DEPLOY** control switch can be activated.

⚠️ WARNING

Rotate and lock seat in forward position before operating vehicle. Failure to do so may result in serious bodily injury and/or property damage.

Seat Rotation Lever



Companion Seat Pre-Operation Notes

STOW/DEPLOY Control Switch

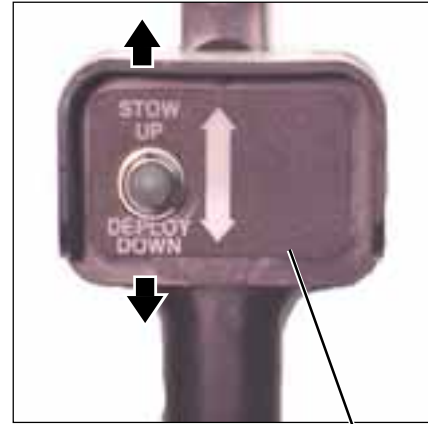
A single hand pendant style STOW/DEPLOY switch controls the seat base extending and retracting functions. Press the switch to DEPLOY DOWN to extend the seat base. Press the switch to STOW UP to retract the seat.

⚠ WARNING

Keep hands, arms, fingers and all other body parts clear of moving seat parts. Failure to do so may result in serious bodily injury and/or property damage.

Note: The seat must be manually rotated fully-outward to the locked position before the switch becomes active. If the switch is nonfunctional, the seat has not been rotated fully-outward to the locked position. Release the STOW/DEPLOY switch when the seat is fully extended or fully retracted.

Keep your hands, arms, fingers, all other body parts and any foreign objects clear of moving seat parts and vehicle parts when the seat is being extended or retracted. The seat will continue to move as long as the STOW/DEPLOY switch is activated. Explain to children and other vehicle passengers that this potential hazard exists and the



Hand Pendant Switch

seat should only be operated by the Companion Seat occupant or the occupant's attendant.

Seat Recliner

Due to the variety of physical capabilities among passengers using the Companion Seat, it is extremely important for the seat back to be reclined to a safe position. **Extend the seat fully and recline the seat back to a safe position for the intended passenger before the passenger uses the seat.**

When the Companion Seat is extended fully, individuals with limited upper body strength could possibly fall out of the seat if the seat back is angled forward too much. A passenger with limited upper body strength may not be able to prevent his or her torso from going over the center of gravity as the seat base extends fully. Have an assistant on hand to adjust the seat back according to your physical limitations. The passenger should load onto the seat and operate the seat through all functions **with an assistant on hand to determine a safe seat**



Seat Recliner Handle

back recliner position and to ensure that the seat occupant operates the seat safely through all functions. **Establish the seat back recliner position with the seat fully extended.**

Recliner Adjustment: A seat recliner handle (control lever) is located on the side of the seat to operate the seat recliner. Lean forward slightly before lifting the handle, then lean back to the desired position and release the handle. Releasing the handle engages (locks) the seat back in the desired position.



⚠ WARNING

Extend seat fully and recline to safe position before using seat.

21418
Patent Pending

Companion Seat Pre-Operation Notes

Door Clearance

The seat passenger **must lower his or her head when retracting and extending the seat** to clear the vehicle door header.

Failure of the seat passenger to lower his or her head during the extending cycle could result in the passenger's head being trapped between the door header and the seat as well as simply contacting (bumping) the door header with his or her head.

Failure of the seat passenger to lower his or her head during the retracting cycle could result in the passenger's head contacting (bumping) the door header or the passenger possibly being knocked out of the seat.



Note: It is not necessary for passengers whose head clears the door header when sitting straight up to lower their head during the extending and retracting cycles.

Companion Seat Operating Instructions

⚠ WARNING

Read and become familiar with all seat operation safety precautions, seat pre-operation notes, seat operating instructions and manual operating instructions before attempting seat operation procedures. Contact The Braun Corporation immediately if any of this information is not understood. Failure to do so may result in serious bodily injury and/or property damage.

⚠ WARNING

- Keep hands, arms, fingers and all other body parts clear of moving seat parts.
 - Extend seat fully and recline to safe position before using seat.
 - Lower head to clear vehicle door header.
 - Rotate and lock seat in forward position before operating vehicle.
- Failure to follow these rules may result in serious bodily injury and/or property damage.

Notes:

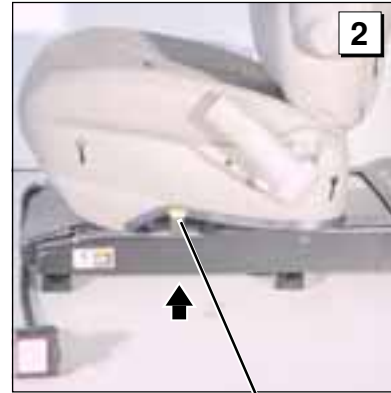
- Read and become familiar with all Seat Operation Safety Precautions and Seat Pre-Operation Notes **before** attempting seat operation. Contact The Braun Corporation immediately if not understood. Call 1-800-THE LIFT.
- Vehicle posted warnings and seat operating instructions decal 22616 provides seat operating instruction. **Replace any missing, worn or illegible decals.**
- Follow the Manual Operation Instructions provided on page 8 in the event of power or equipment failure.

Companion Seat Operating Instructions

To Extend Seat:



1 Open door **fully**.

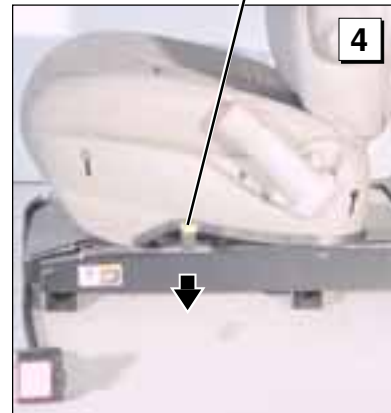


2 Lift yellow handled lever.

Yellow Handled Lever



3 Manually rotate seat **fully outward until seat locks**.



4 Push the yellow handled lever down to **ensure** the lever is engaged (**seat is locked**).

5 **Lower head** and press switch to **DEPLOY DOWN** until the seat stops (Photos 5a - 5c).



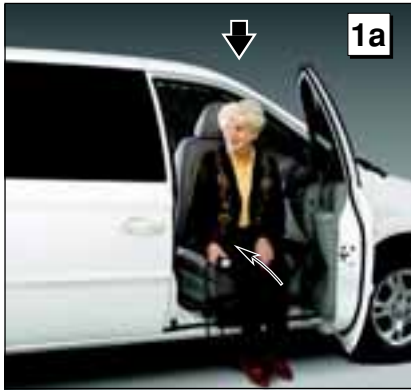
Lower Head



Companion Seat Operating Instructions

To Retract Seat

Lower Head



1 Lower head and press switch to **STOW UP** until the seat stops (Photos 1a - 1d).

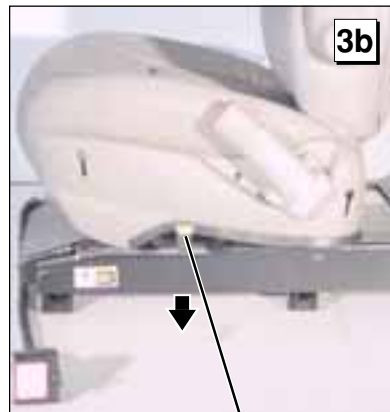
2 Lift yellow handled lever.

3 Manually rotate seat **fully inward until seat locks** (Photo 3a). Push the yellow handled lever down to ensure the lever is engaged (**seat is locked**) (Photo 3b).

4 Close door (Photo 4).



Yellow handled Lever



Yellow handled Lever



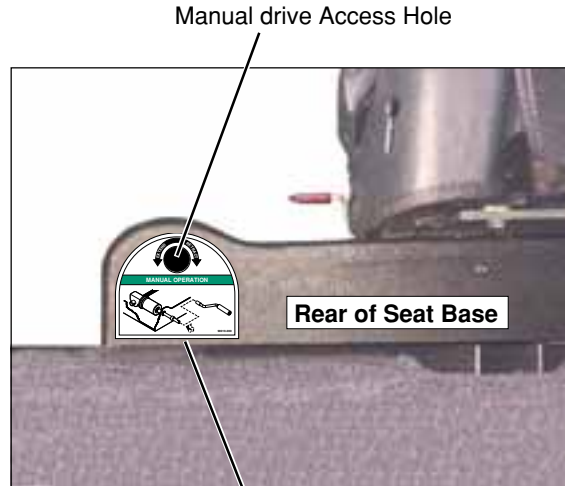
Manual Operating Instructions

An electric actuator powers the Companion Seat base to extend and retract the seat. If you experience power or equipment failure, follow the Manual Operating Instructions provided below to manually extend and retract the Companion Seat.

A slotted shaft (stud) is located at the motor end of the electric actuator. An access hole is located at the rear of the Companion Seat base to allow one of two provided manual actuation devices to be inserted and manually drive the actuator. Turning the actuator motor shaft with the provided hand crank or the drill adaptor extends and retracts the seat. Turn the stud counterclockwise to extend the seat. Turn the stud clockwise to retract the seat. Further details are provided below and on decal affixed to Companion Seat (see picture and graphic on this page).

Note: Manual operation procedures **cannot be accomplished rapidly**. If you experience power or equipment failure, load and unload the passenger **without** manually extending or retracting the seat. **Manual operation procedures are not intended to be used to load and unload passengers**. This procedure is available to retract the seat fully, in order to allow the vehicle door to be closed.

If a problem occurs with your Companion Seat, contact your Braun dealer or call The Braun Corporation at 1-800-THE LIFT. One of our national Product Support representatives will direct you to an authorized service repairman.

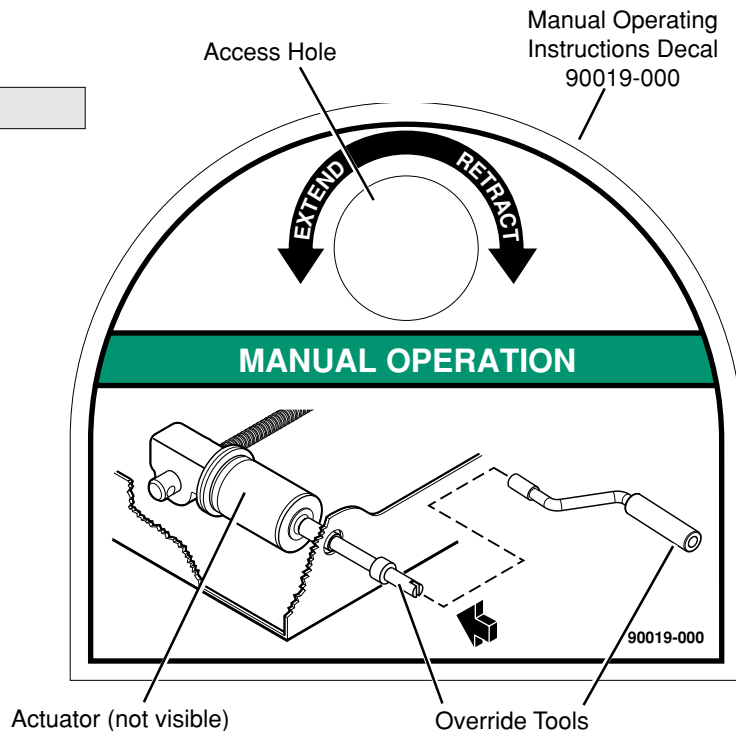


Manual Operating Instructions Decal 90019-000

Manual Operation decal 90019-000 depicts the hand crank and the drill adaptor being used to manually extend and retract the seat base. The hand crank and drill adaptor are both shown in order to depict both manual operation procedures. A drill can be fitted with the provided drill adapter and used for manual operation (drilling device must have a 3/8" chuck). These options will allow you to perform manual extending and retracting procedures at a substantially higher rate of speed. Carry the manual operation tools in your Companion Seat-equipped vehicle at all times.

Manual Operating Instructions

- 1** Use a provided manual override tool (hand crank or drill adaptor).
- 2** Insert the tool through the access hole.
- 3** Turn slotted stud counterclockwise to extend the seat.
- 4** Turn slotted stud clockwise to retract the seat.



Installation/Service Safety Precautions

⚠WARNING

If installation procedures cannot be completed exactly as provided in this manual or if the instructions are not fully understood, contact The Braun Corporation immediately. Failure to do so may result in serious bodily injury and/or property damage.

⚠WARNING Read this manual and become familiar with all safety precautions, seat pre-operation notes, seat operating instructions, and installation instructions before performing installation procedures.

⚠WARNING Remove any obstructions within the seat mounting/operating area prior to beginning installation procedures.

⚠WARNING A minimum of two people are required to place the seat in the vehicle if a hoist is not available.

⚠WARNING Route all cables clear of exhaust system, other hot areas moving parts, wet areas, etc.

⚠WARNING Coil and secure excess power cable under Companion seat, under carpet, inside wall panel or other protected area — clear of hot areas, moving parts or other potential hazards.

⚠WARNING Risk of electrical shock or fire! Use extra care when making electrical connections. Connect and secure as outlined in Installation Instructions and Wiring Diagrams.

⚠WARNING Maintenance and repairs must be performed only by authorized service personnel.

⚠WARNING Never modify (alter) a Braun Corporation Companion Seat™.

⚠WARNING Replacement parts must be direct Braun replacements.

⚠WARNING Disconnect the power cable at the battery prior to servicing.

⚠WARNING Never install screws or fasteners (other than factory installed).

⚠WARNING The Companion Seat Owners / Installation manual must be in the Companion Seat-equipped vehicle when the consumer receives the Companion Seat.

⚠WARNING Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Installation Instructions

Installation Parts Package 05774-000

- Please check the Installation Parts List to see that you have everything needed to begin. Report any missing items.
- Installation Parts Package 05774-000 includes **all items** listed below.

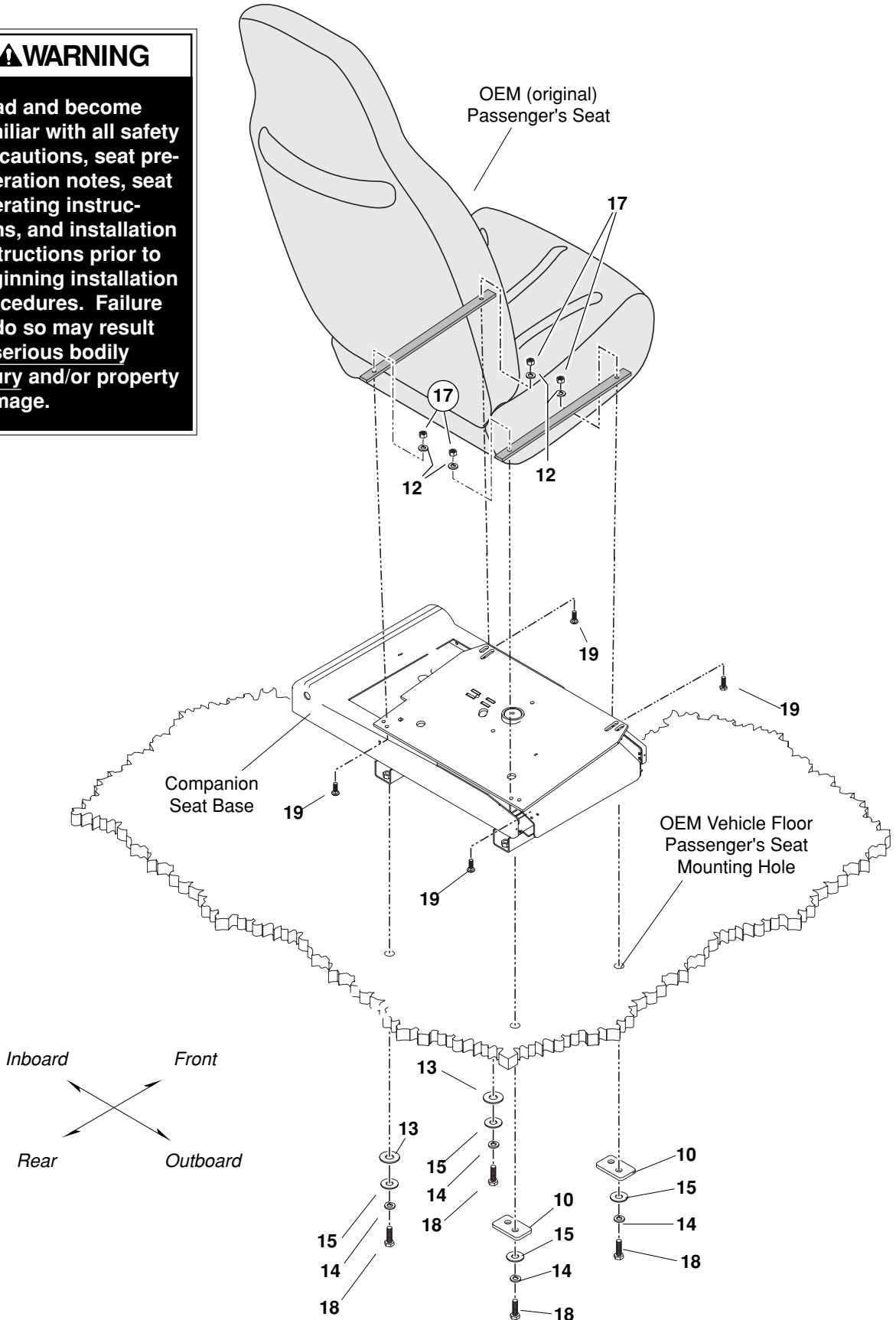
| Item | Qty. | Description | Part No. |
|------|------|---|-----------|
| 1 | 1 | Harness, Door Transmission Interlock | E50423A |
| 2 | 1 | Cable Tie, 7" with Eye Plastic | 10310 |
| 3 | 2 | Flexguard, 1 1/2" | 78001-000 |
| 4 | 4 | Cable Tie, 3 3/4" Black | 91010-000 |
| 5 | 1 | Assembly, Seat Recline Lever | 27278A |
| 6 | 1 | Assembly, Override Hand Crank | 05882-000 |
| 7 | 1 | Adaptor, Override Drill | 05799-000 |
| 8 | 1 | Guard, Power Source | 05722-000 |
| 9 | 1 | Shim, Door Check Caravan | 23626 |
| 10 | 2 | Plate, Below-Floor Reinforcement | 21390 |
| 11 | 4 | Edge-liner, 1/4" Quick Trim | 10598 |
| 12 | 4 | Washer, 5/16" Lock Auto Black | 10068 |
| 13 | 6 | Washer, 1/2" Flat | 10065 |
| 14 | 4 | Washer, 7/16" Lock | 13843 |
| 15 | 4 | Washer, 7/16" SAE, Flat | 82046-000 |
| 16 | 1 | Nut, 1/2 - 13 Hex Lock | 13157 |
| 17 | 4 | Nut, 5/16 - 18 Hex Auto Black | 10058 |
| 18 | 4 | Bolt, 7/16 - 20 x 1 1/2" | 14305 |
| 19 | 4 | Bolt, 5/16 - 18 x 1" Hex | 10013 |
| 20 | 1 | Bolt, 1/2 - 13 x 1 3/4" Grade 5 | 29672 |
| 21 | 2 | Screw, #8 - 18 x 1/2" PH/PN SD - Auto Black | 13583 |
| 22 | 1 | Screw, #8 - 18 x 1" Self-Tap Hex | 10084 |
| 23 | 1 | Decal, Warning, Lower Head | 21419 |
| 24 | 1 | Decal, Warning, Extend and Recline Seat | 21418 |
| 25 | 1 | Decal, Warnings/Seat Operating Instructions | 22616 |
| 26 | 1 | Tag, Serial # / Series # - Plastic | 18548P |
| 27 | 1 | Card, Business Reply - Warranty | 11673 |
| 28 | 1 | Manual, Chrysler Companion Seat | 22722C |

Installation Instructions

Overall Installation View

⚠ WARNING

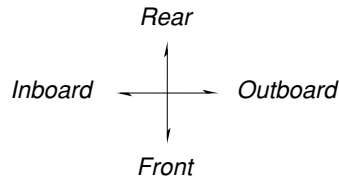
Read and become familiar with all safety precautions, seat pre-operation notes, seat operating instructions, and installation instructions prior to beginning installation procedures. Failure to do so may result in **serious bodily injury and/or property damage.**



Installation Instructions

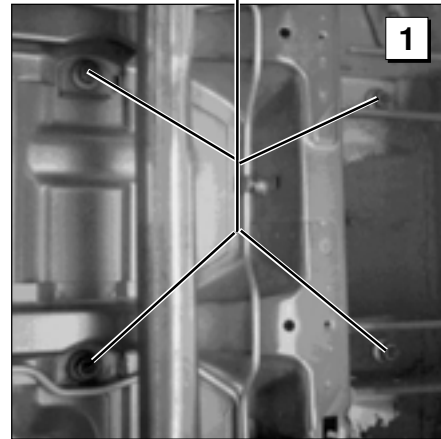
- 1 Disconnect the vehicle battery.

Remove the OEM passenger's seat and pedestal from the vehicle. Four seat pedestal mounting studs are secured under the vehicle floor with flanged (washer head) lock nuts. Use a 15MM socket to remove the lock nuts, see below for orientation under the vehicle. Keep all hardware.



"As viewed from under vehicle"

OEM Flanged (washer head) Lock Nuts



- 2 **Caution: Carefully** lean seat back and disconnect the two wiring harness sockets (pull locking tabs) **before** removing seat. Disengage the two plastic snap fasteners securing the wiring harness to the floor air duct.

⚠CAUTION

Carefully lean seat back and disconnect the two OEM wiring harness sockets before removing seat. Failure to do so may result in OEM wiring harness damage.

Note: Carefully disconnect the under seat mounted wiring harnesses during disassembly procedures. Disconnect side guard-mounted switch assembly harness socket also. Disengage the yellow and gray sockets mounted to pedestal.

Harness Plugs



Disconnect the wiring harness assembly from slide track and seat mounting plate assembly (secured with plastic snap fasteners).

- 3 Remove the center floor console from between the seats (refer to instructions supplied in the console or in the Chrysler manual).

OEM Floor Console.



Installation Instructions

- 4** Remove the floor-mounted console mounting plate cover by unscrewing the four flanged hex head Phillips screws.

Caution: The electrical power source is now exposed (at rear of assembly).

Console Mounting Plate Cover.



- 5** The door checks on Chrysler mini-van doors do not allow the door to open far enough to provide adequate clearance for the fully-extended Companion Seat. The passenger-side **door check must be shimmed before installing a Companion Seat. Failure to do so may result in damage to the interior door panel.**

CAUTION

Install passenger-side door check shim before installing Companion Seat. Failure to do so may result in damage to interior door panel.

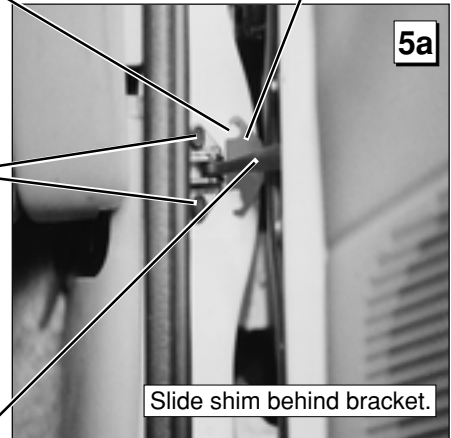
Position shim with smallest mounting slot at top.

Shim 23626

Mounting Bolts

Passenger Side Door Check

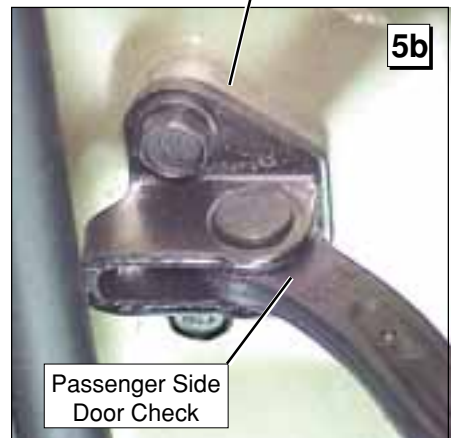
Slide shim behind bracket.



Using a 10 MM socket, loosen the two hex mounting bolts securing the door check assembly to the door jamb. **Do not remove mounting bolts.** Loosen the bolts just enough to allow the 3/16" thick shim to slide behind the mounting bracket.

Position the shim with the smallest mounting slot at the top. Slide the shim behind the door check mounting bracket with the mounting slots straddling the mounting bolts (sandwich shim between door jamb and bracket). Slide the shim in fully. Align shim with bracket. **Tighten securely.**
Torque Specifications: 5 foot pounds.

Shim 23626 in place



Installation Instructions

Chrysler mini-van power front passenger seats **must be retrofitted to manual recline operation prior to installation** on the Braun Companion Seat™.

Complete Steps 1 through 5 as detailed in this manual. Retrofit the manual recline components as

detailed in Steps 6 through 11, then complete the Companion Seat installation as detailed in this manual.

Note: If the vehicle does not have a power front passenger seat, omit Steps 6 through 11, and continue with Step 12.

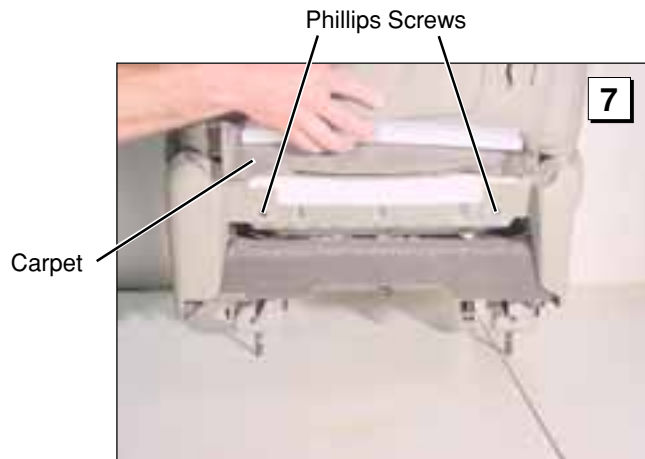
Power Seat Base Removal:

- 6** The parts listed at the right must be purchased from Chrysler in order to retrofit a power passenger seat to manual recline:

Note: The part numbers of the plastic panels change to match your specific vehicles interior color scheme. The guard numbers to the right have a trim code designation of CL. The Chrysler dealership will help you to obtain the proper part number and trim code for your vehicle.

| Chrysler Parts List | | |
|---------------------|----------------------------------|-------------------|
| Item | Description | Chrysler Part No. |
| 1 | Inboard Adjuster | 5018879AA |
| 2 | Outboard Adjuster | 5018878AA |
| 3 | Dual Spring Manual Recline Assy | 5073212AA |
| 4 | Passenger Inboard Pastic Guard | UD771QLAA |
| 5 | Passenger Outboard Plastic Guard | UD761L5AA |

- 7** Unsnap the upper carpet cover and pull the carpet up and away at the rear of the seat to access plastic side guard's mounting screws. Remove the two Phillips screws securing the plastic side guards to the rear of the seat.

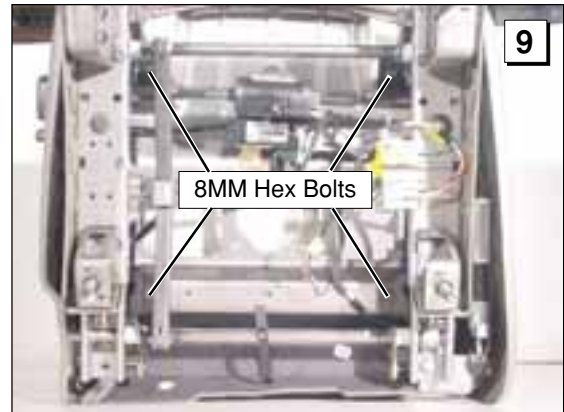


- 8** Remove drivers and passenger's side plastic guards by unscrewing the two Phillips screws (passenger side shown, typical for drivers side panel). Be sure to **disconnect power seat switch harness** on passenger side plastic guard **before removing the panel!**

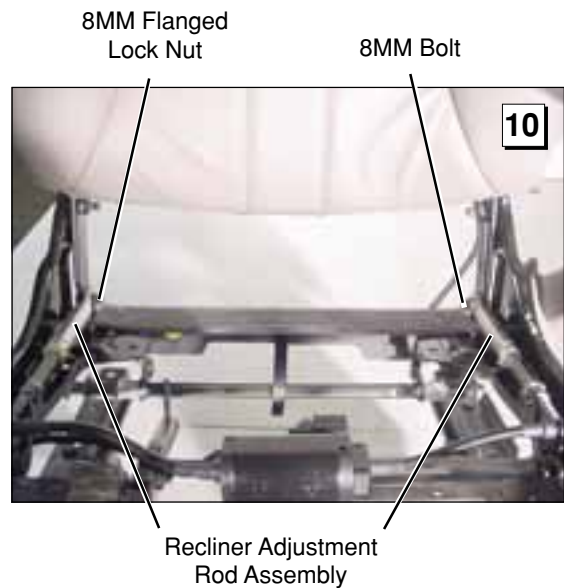
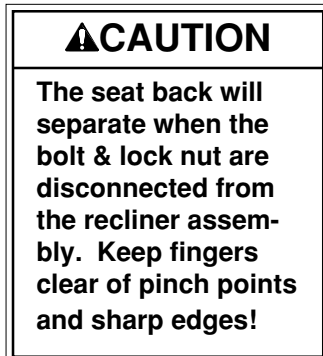


Installation Instructions

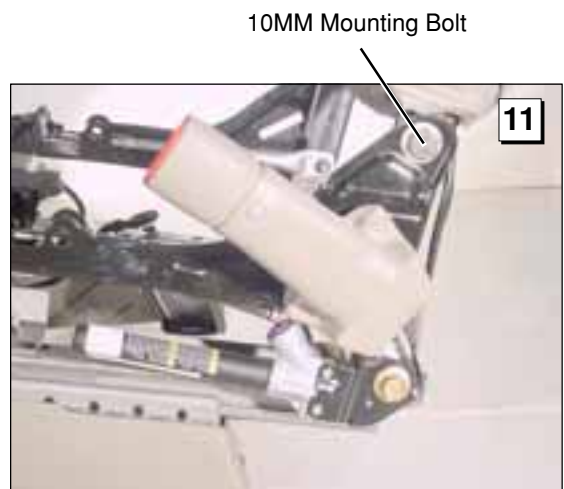
- 9** Remove the four 8MM hex bolts and flat washers securing the seat base assembly to the bottom of the seat. Keep all hardware.



- 10** **Carefully** remove the 8MM flanged (washer head) lock nut and the 8MM bolt securing the recliner adjustment rod assembly.
- Caution:** The seat back will separate when the bolt & lock nut are disconnected from the recliner assembly. **Keep fingers clear of pinch points and sharp edges!**



- 11** Remove the two 10MM hex mounting bolts securing the seat base assembly to the seat back (typical both sides). Keep mounting hardware.



Installation Instructions

Chrysler mini-van power front passenger seats **must be retrofitted to manual recline operation prior to installation** on the Braun Companion Seat™.

through 11 for the conversion of the power seat to a manual recline seat. The remainder of the Installation instructions will be the same for manual and power OEM Seats.

Note: If you have a power seat, complete Steps 6

Manual Seat Base:

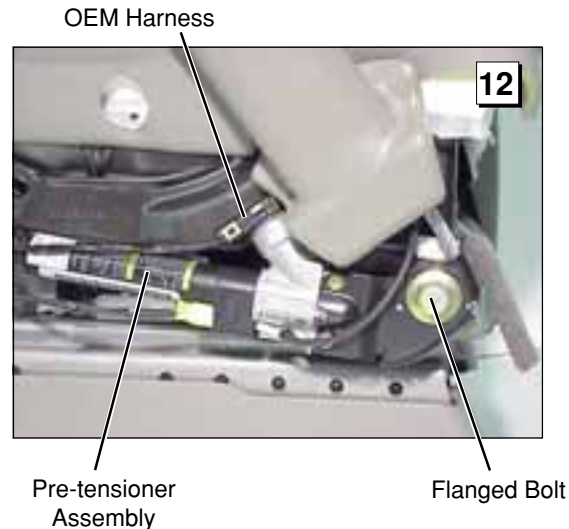
12

⚠CAUTION

Handle pre-tensioner with care. Be sure the vehicle battery has been disconnected for at least two minutes to allow the systems reserve capacitor to discharge before beginning receptacle / tensioner removal!

Caution: Handle pre-tensioner with care. Be sure the vehicle battery has been disconnected for at least two minutes to allow the systems reserve capacitor to discharge before beginning receptacle / pre-tensioner removal!

Disconnect wire harness to the pre-tensioner. Remove the seat belt receptacle and pre-tensioner assembly by using a 15MM socket to remove flanged hex bolt.



13

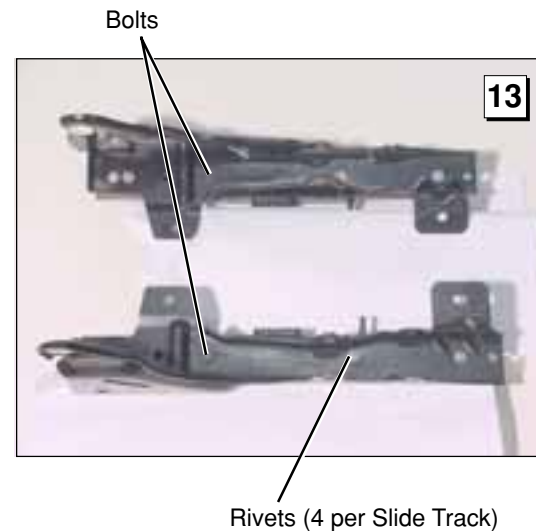
Remove the slide tracks from the purchased or provided inboard and outboard adjusters.

Note: If you have a manual seat you need to remove the inboard and outboard adjusters from the manual seat (reference Steps 9 through 11, the same removal procedures apply to both the power and manual seats).

Note: Remove the slide track by removing the rivets and mounting bolts securing the track to the adjusters. Photos are provided to call out all hardware that must be removed.

Slide Track Securement Hardware:

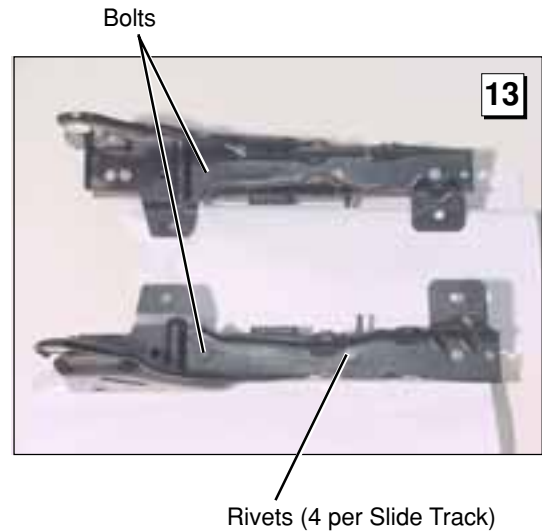
- One rivet is located at the front end of each track (see Photo 13).
- Two rivets are located at the rear end of each track (see Photo 13).
- One rivet is located in the center of each track also (see Photo 13).
- A bolt is located at near the rear end of each side of slide track (see Photo 13).



Installation Instructions

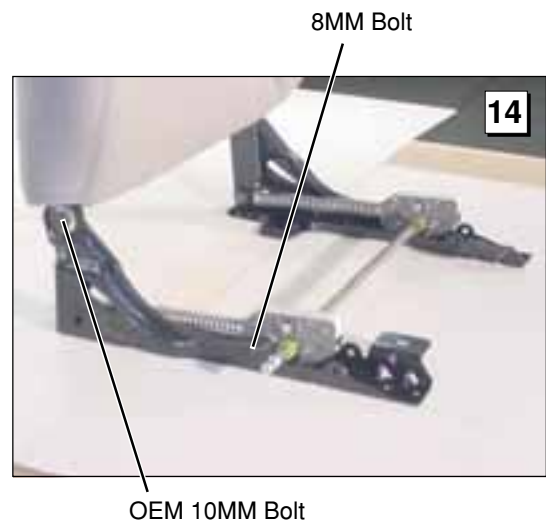
Rivet Removal: Center punch and **carefully** drill out the rivets. For ease of removal, drill 1/8" diameter pilot holes through rivets. Use an 11/32" (.343") diameter bit to complete the removal. Drill out the rivet heads and **carefully** drive out rivets using a hammer and punch if necessary. Carefully using a grinder to remove the rivet heads also works well for this operation.

Mounting Bolt Removal: Use a 13MM socket to remove the flanged (washer head) lock nuts securing the bolts. Remove slide mounting bolts.



14 Assemble the manual recline assembly, the inboard and outboard seat adjusters, and the seat back.

- Position the inboard and outboard adjusters with manual recline assembly as shown. Secure the adjusters to the recline assembly with the OEM 8MM bolt into the fixed nut on the recline assembly. **Apply Loctite®** or other thread locking compound to the mounting bolt. **Tighten securely. Torque Specifications: 18 foot pounds.** This operation is typical for both sides of the assembly.
- Position seat back to adjuster assembly as shown. Secure the adjusters to the seat back using the OEM 10MM mounting bolt. **Tighten securely. Torque Specifications: 30 foot pounds.** This operation is typical for both sides of the assembly.
- **Do not** attach manual recline assembly to seat back until you have reinstalled the seat belt receptacle and pre-tensioner (see Step 15-18).

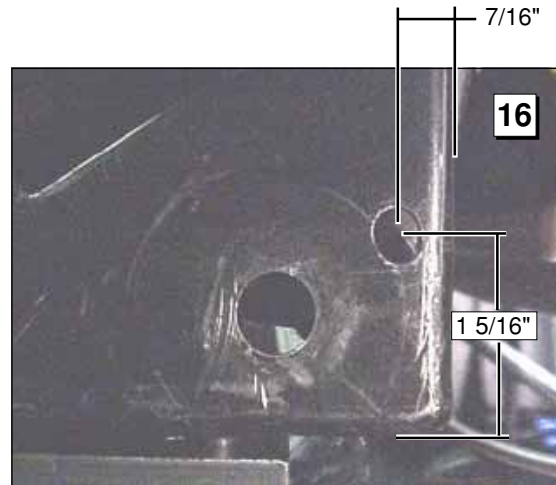


15 Remove the seat belt receptacle bracket from the passenger side seat base adjuster. This bracket will not be used.



Installation Instructions

- 16** Drill a 5/16" diameter hole approximately 1 5/16" up and 7/16" from the edge of the seat base for the alignment tab of the seat belt receptacle.



- 17** Position the seat belt receptacle / pre-tensioner assembly to seat frame, aligning the tab on the assembly with the 5/16" hole drilled in Step 16.

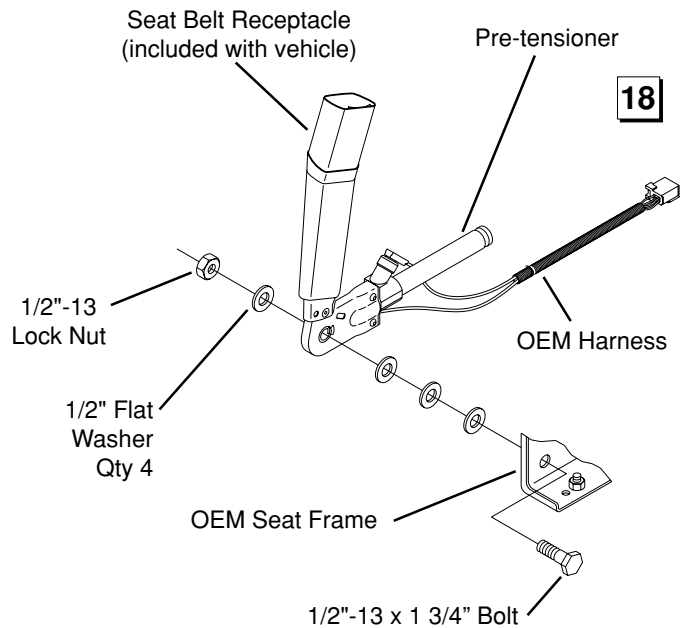


Pre-tensioner
Seat Frame

- 18** **Note:** See Graphic 18 for the proper hardware mounting sequence.

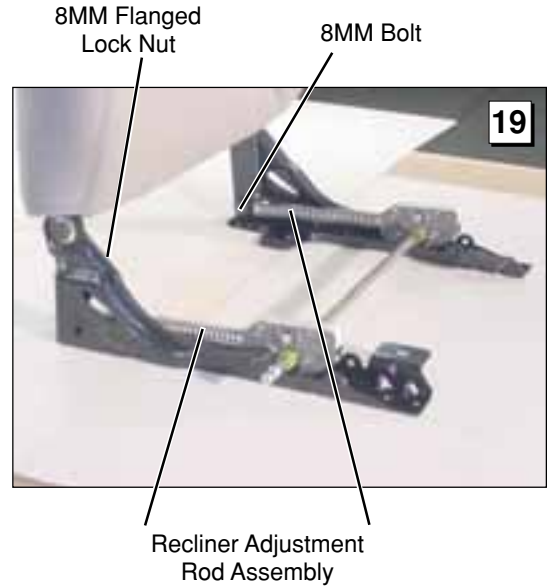
Secure the seat belt receptacle / pre-tensioner assembly. **Tighten securely. Torque Specifications: 70 foot pounds.**

After Securing the Seat Belt Receptacle, connect the pre-tensioner harness to its mate on the seat assembly.

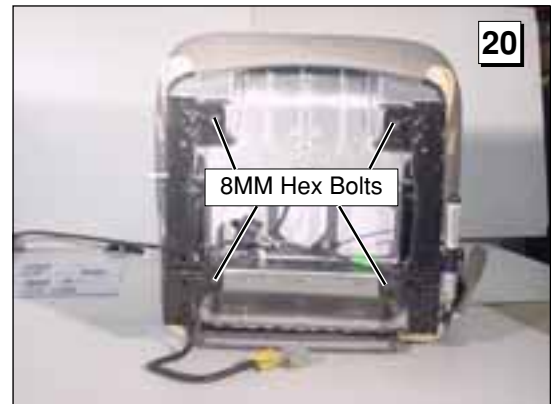


Installation Instructions

- 19** Position the recliner adjustment rod assembly and seat back as shown. Secure the seat back to the recliner assembly with the OEM 8MM bolt and 8MM Flanged lock nut. **Apply Loctite®** or other thread locking compound to the mounting bolt and flanged lock nut. **Tighten securely.** **Torque Specifications: 18 foot pounds.**

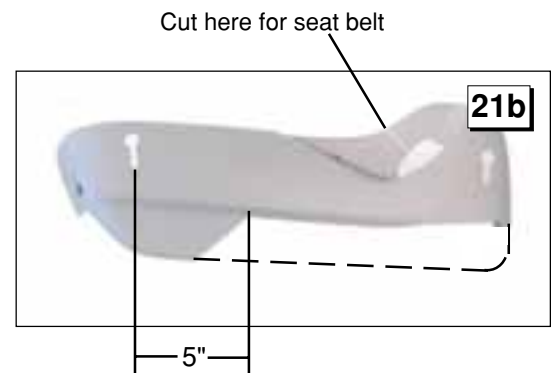
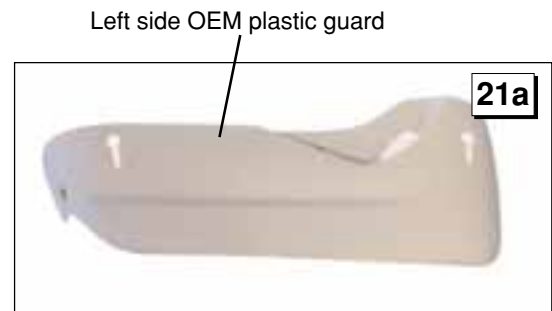


- 20** Secure the Seat Bottom to the Seat Base Assembly with the four 8MM hex bolts retained from Step 9 (Seat Bottom removal). **Apply Loctite®** or other thread locking compound to the mounting bolts. **Tighten securely.** **Torque Specifications: 18 foot pounds.**



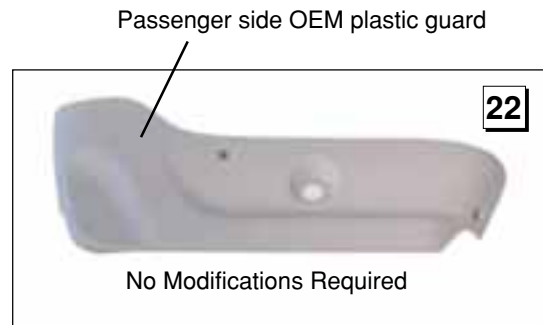
- 21** The drivers side plastic guard on the Chrysler manual passenger seat must be modified as shown in Photo 21b. Photo 21a shows an OEM manual seat panel that has not been modified. The lower section will be trimmed and removed. Dimensions are approximate, adjust as needed.

Make a small cut at the top where indicated so the seat belt can slide through the cut. The lower cut should follow the style line as shown. Make corners rounded (radius) to accommodate trim lock.

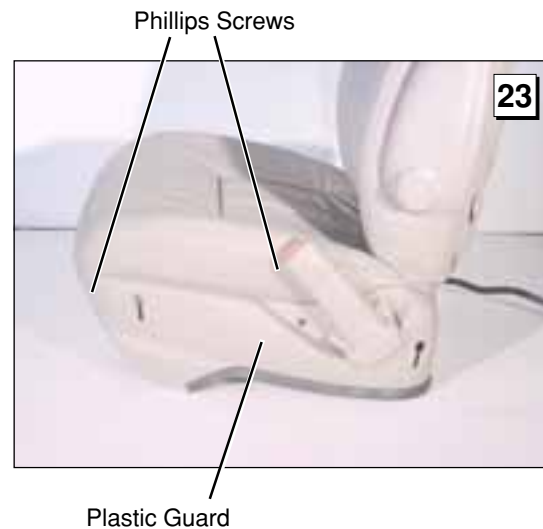


Installation Instructions

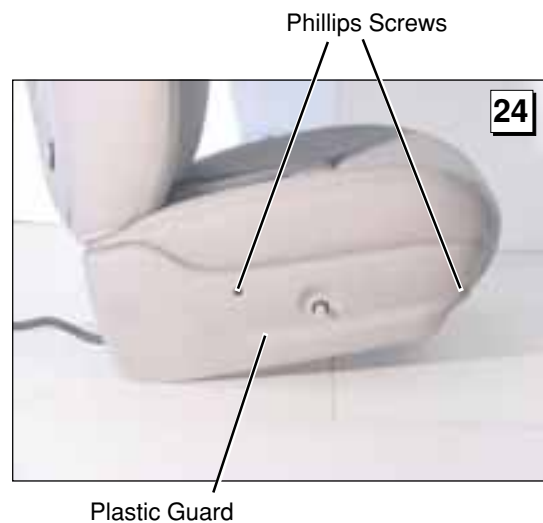
- 22** The passenger side plastic guard on the Chrysler manual passenger seat does not need to be modified.



- 23** Install the modified drivers side plastic guard to the seat by pulling the seat belt receptacle through the slot you created in Step 21. Secure the plastic guard with two Phillips screws retained from Step 8.



- 24** Install the passenger side plastic guard to the seat. Be sure to align the recline lever spline with the hole in the panel. Secure the plastic guard with the two Phillips screws retained from Step 8.



Installation Instructions

- 25** Finish the securement of the right and left side plastic guards to the seat by installing the two Phillips screws (removed in Step 7) into the rear of the seat.



Phillips Screws

- 26** Position recliner handle 27278A as shown. Secure handle to spline with the set screw.



Recliner Handle 27278A

- 27** Snap in the carpet cover to complete the rework of the OEM Seat. This will complete the required modifications to the OEM Seat before mounting on the Braun Companion Seat™ base.



Snap In Carpet Cover

Installation Instructions

- 28** Carefully position the Companion Seat base by aligning the weld nuts provided in the seat base with the four OEM passenger's seat mounting holes.



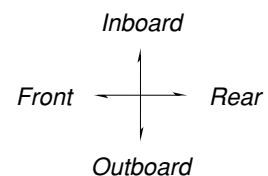
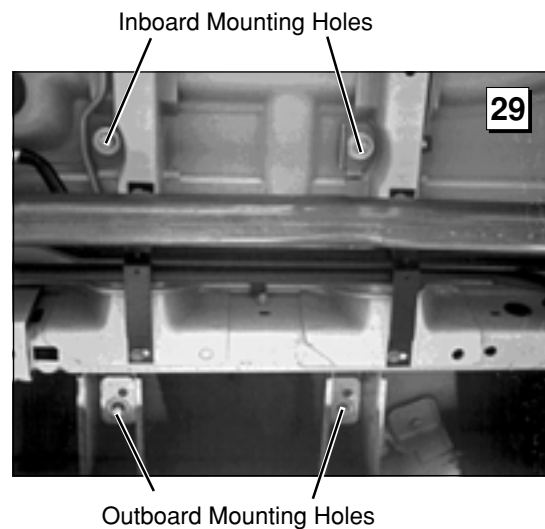
- 29** Secure the Companion seat to the vehicle:

Note: See Overall Installation View on page 11 for required mounting hardware and orientation.

Two Inboard Mounting Holes: Place one 7/16" lock washer, one 7/16" flat washer and one 1/2" flat washer on each of two 7/16"-20 x 1-1/2" hex bolts. From below the vehicle floor, insert the bolts through the two inboard OEM seat mounting holes and thread them into the applicable Companion Seat base mounting holes (inboard weld nuts).

Two Outboard Mounting Holes: Place one 7/16" lock washer, one 7/16" flat washer and one below-floor body plate on each of two 7/16"-20 x 1-1/2" hex bolts. From below the vehicle floor, insert the bolts through the two outboard OEM seat mounting holes and thread them into the applicable Companion Seat base mounting holes (outboard weld nuts). **Note:** Position below-floor body plates as shown.

Tighten all mounting hardware securely.
Torque Specifications: 50 foot pounds.

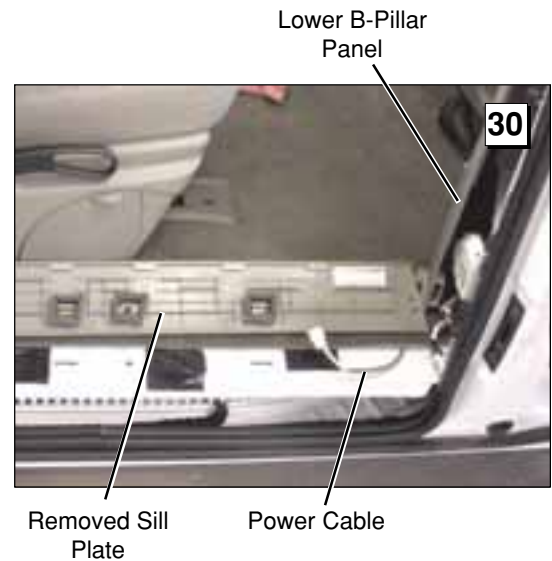


"As viewed from under vehicle"

Installation Instructions

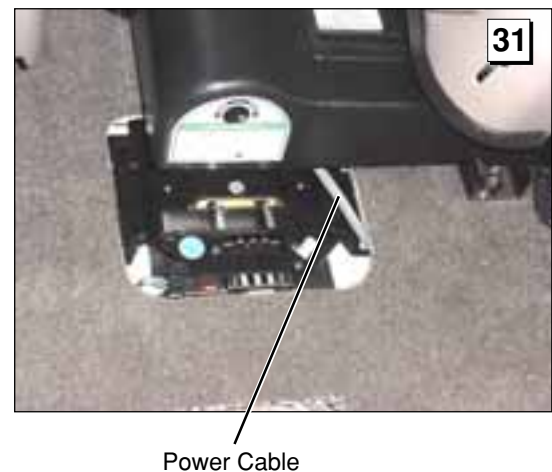
- 30** The sill plate of the passenger side cargo door and the lower portion of the B-Pillar interior panel must be removed for the power cable routing and connection. Remove the OEM sill plate by pulling up on the plate until the “snap” retainers release. Remove the lower portion of the B-Pillar in the same manner.

Note: Do not completely remove the B-Pillar panel. A door switch wiring harness is connected to the panel and limited access is required for the power cable connection.

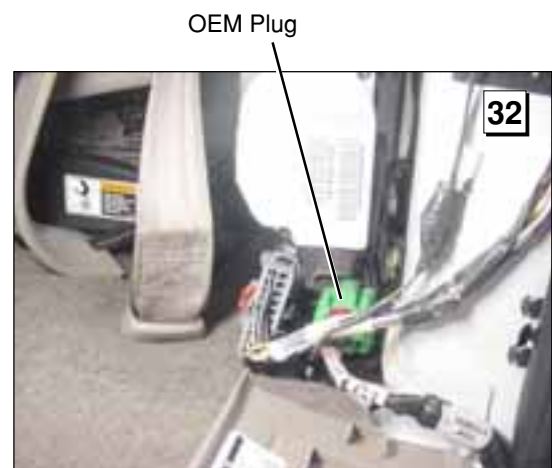


- 31** The Companion Seat power cable must be routed under the OEM carpet to the passenger side B-Pillar. The cable goes through the void in the carpet for the removed OEM center console.

Route the cable under the carpet to the B-Pillar (see Photo 30).



- 32** Disconnect the OEM Plug that is located on the floor next to the passenger side B-Pillar.

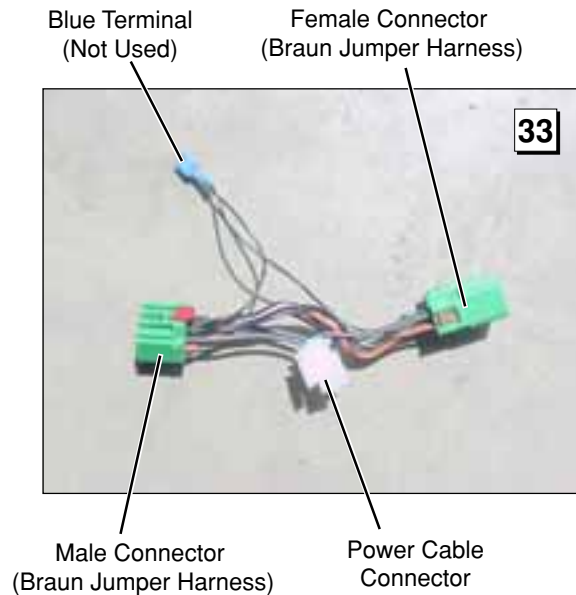


Installation Instructions

33

Use jumper Harness E50423A to provide power to the Companion Seat. Connect the power cable from the Companion Seat to the White connector on the jumper harness. Now place the harness in between the two OEM connectors you disconnected in the passengers side B-Pillar. This is done by connecting the Male (OEM Harness) to the Female (Braun Harness) and the Male (Braun Harness) to the Female (OEM Harness). Be sure to snap in each of the connectors retaining clips.

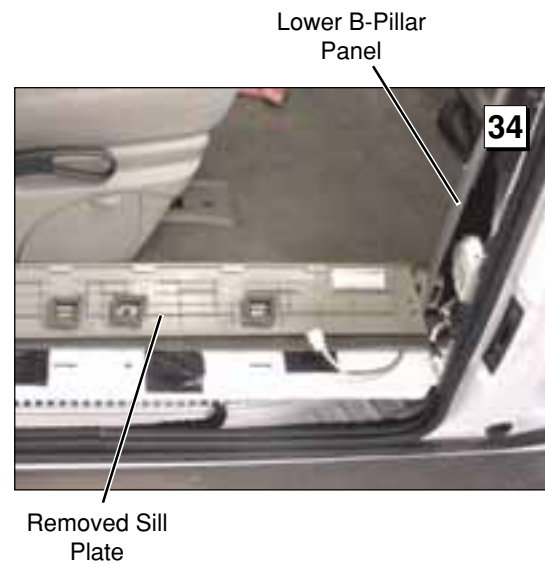
Note: The Blue terminal on the Braun Harness is not used for this application!



34

Cycle the Companion Seat base to ensure you have installed the power cable and jumper harness correctly.

Carefully replace the OEM sill plate and the passenger side B-Pillar interior panel.



35

Deploy the Companion Seat Base for ease of access to the mounting slots on the rotary base for the passenger seat.

Note: Be sure seat base is secured to vehicle floor and all electrical connections are routed properly, before deploying the Companion Seat Base.



Installation Instructions

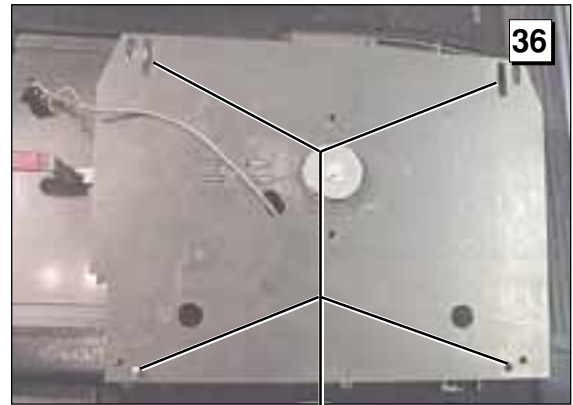
36

Note: See Overall Installation View on page 11 for required mounting hardware and proper orientation.

Align the seat mounting holes with the four mounting holes provided in the Companion Seat base. Use four 5/16"-18 x 1" hex bolts to secure the seat to the Companion Seat base. Insert the bolts from the bottom side up into each mounting hole. Secure each bolt with one 5/16" lock washer and one 5/16"-18 hex nut.

Tighten securely. Torque Specifications: 15 foot pounds.

Note: Be sure the seat harness plugs are accessible and not damaged during the seat mounting procedures!



Companion Seat Base
Mounting Holes

37

Slip the Flexguard on the OEM seat harness before reconnecting the plugs. Carefully reconnect the two (yellow and grey) OEM harness plugs on the seat assembly to the mating plugs on the vehicle floor. Be sure the harness is clear of moving parts and has enough slack to allow seat rotation and extension.

Secure the seat harness to the vehicle floor. Use a wire tie and a self-tapping screw for securement of the harness.

Note: Determine a securement location that does not place the harness in the way of moving parts or causes the harness to be strained during seat operation.



Flexguard

Harness Plugs



Installation Instructions

38

A guard is supplied to cover the exposed floor console power source. Position the guard 1/8" away from the Companion Seat base aligned with the base and centered over the console power source. **Carefully** center punch and drill pilot holes or use self tapping screws to secure the guard.



39

Ensure all seat base mounting hardware is securely tightened.

Carefully operate the Companion Seat through all cycles following the operating instructions contained in this manual and posted on Warnings and Companion Seat Operating Instructions decal 22616.

Check to ensure all fasteners are securely tightened, wires are routed properly and the Companion Seat has proper clearances.



OEM Passenger's Seat Positioned on Companion Seat Base

40

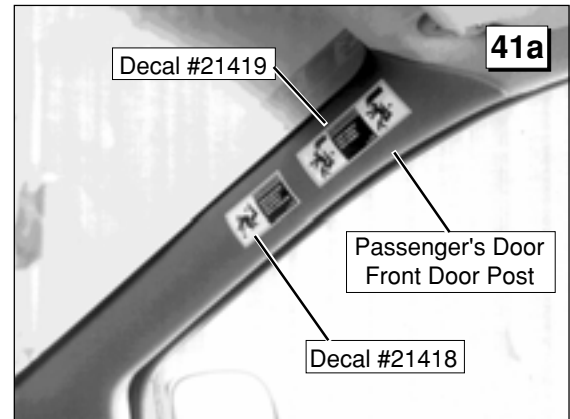
A hook to hang the control pendant is provided with the Companion Seat™ installation package. To mount the hook use the two self tapping screws. Use your discretion in selecting a mounting position for the hook. The B-Pillar is a good option, but Be sure when mounting on the B-Pillar not to damage the OEM wiring or the seat belt mechanism.

Installation Instructions

41



Post (affix) the safety instructions decals supplied with the Companion Seat at the locations specified here.

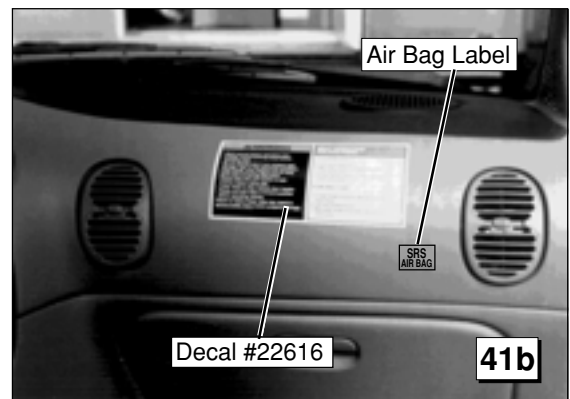


The decals **must** be visible to the Companion Seat occupant. **Important!** Prepare the decal posting surfaces as detailed.

Decal Application Procedure (Surface Preparation): Clean decal posting surfaces with isopropyl alcohol before decal application. Use a clean cloth or paper towels. **Do not** use oily shop rags. Wipe surface free of residue with dry portion of cleaning cloth.

Post Extend and Recline Warning Decal 21418 and Head Clearance Warning Decal 21419 as shown. Post decals on front door post (plastic molding) at edge of windshield.

Post Warnings/Seat Operating Instructions Decal 22616 on the vehicle dash. Center the decal between the vents and position the bottom edge just above the air bag label as shown.



42

Companion Seat Manual:

Provide this manual to the consumer. **The manual must be stored in the Companion Seat-equipped vehicle at all times.**



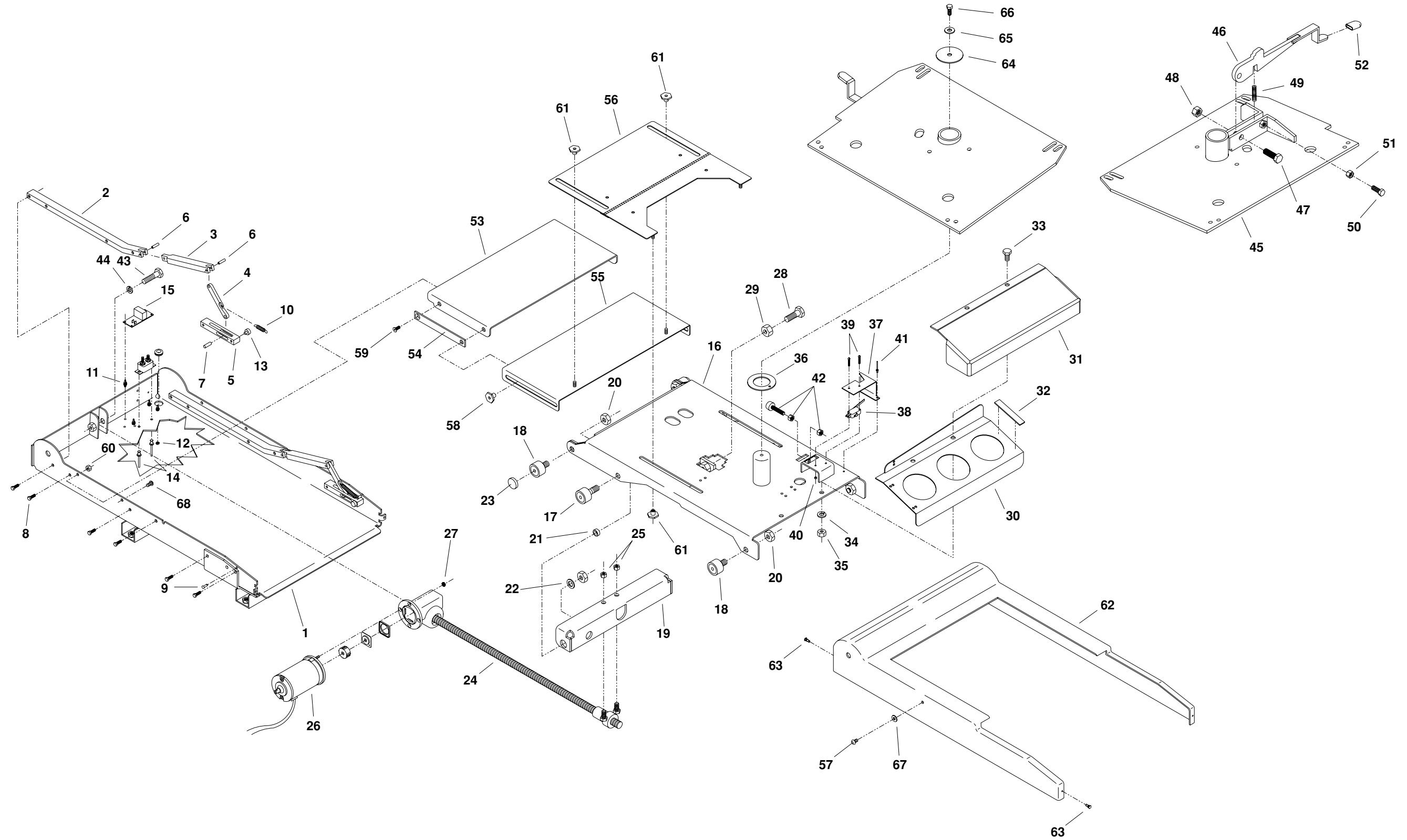
Companion Seat Parts List

Companion Seat Parts List

This part list and the exploded view is provided to identify a specific part if a replacement is required. To order a replacement part please call the Braun Product Support Department at 1-800-THE LIFT.

| | | | |
|----|----|--|-------------|
| 1 | 1 | Weldment, Lower Carriage - Caravan | 05776-000 |
| 2 | 2 | Guide, Roller Fixed | 05715-000 |
| 3 | 2 | Linkage, Roller Guide - Pivot | 05716-000 |
| 4 | 2 | Linkage, Roller Guide | 05717-000 |
| 5 | 2 | Guide, Roller - Fixed/Slotted | 05718-000 |
| 6 | 4 | Pin, Spring 3/16" x 3/4" | 86058-000 |
| 7 | 2 | Pin, Dowel 1/4" x 3/4" | 86062-000 |
| 8 | 12 | Bolt, 1/4-20 x 3/4" - Grade 5 - Hex - Auto Black | 10970 |
| 9 | 2 | Pin, Clevis 3/16" x 1/2" | 86046-000 |
| 10 | 2 | Spring, Extension 0.3" OD x 1.25" L x 0.037" W | 98038-000 |
| 11 | 4 | Standoff, Nylon | 91247-000 |
| 12 | 4 | Nut, #8-32 Hex - Auto Black | 10777 |
| 13 | 2 | Spacer, Side Rail | 05762-000 |
| 14 | 2 | Rivet, Pop - SD64BS - 3/16" - 0.13" / 0.25" - Auto Black | 11513 |
| 15 | 1 | Assembly, Companion Seat Board | 05723-000 |
| 16 | 1 | Weldment, Upper Carriage | 05791-000 |
| 17 | 2 | Bearing, 1 1/4" OD Cam Follower | 13040 |
| 18 | 4 | Bearing, 1 1/4" Cam Follower - SHT | 20716 |
| 19 | 1 | Bracket, Actuator | 05704-000 |
| 20 | 6 | Nut, 1/2-20 Hex Jam - Auto Black | 83022 |
| 21 | 2 | Tubing, 3/4" OD x 0.510" ID x 0.3" | 13135R000.3 |
| 22 | 2 | Washer, 0.519" ID x 0.876" OD x 0.074" | 12621 |
| 23 | 2 | Roller, Side Spacer | 05763-000 |
| 24 | 1 | Weldment, Actuator - Companion Seat | 05789-000 |
| 25 | 2 | Nut, 3/16-16 UNC Hex Lock - Auto Black | 13617 |
| 26 | 1 | Motor, Actuator Wired (13072) | 12852 |
| 27 | 2 | Nut, #10-32 W - Lock Washer - Auto Black | 18349 |
| 28 | 1 | Bolt, 1/2-13 x 1 3/4" Grade 5 Zinc | 29672 |
| 29 | 1 | Nut, 1/2-13 Hex | 10060 |
| 30 | 1 | Support, Outer Cover - Seat Base | 29307 |
| 31 | 1 | Cover, Plastic Outer - Companion Seat | 29316 |
| 32 | 1 | Tape, Double Face - 1/16" x 3/4" x 108" | 82033R004 |
| 33 | 2 | Bolt, 3/8-16 x 3/4" Grade 5 - Hex - Auto Black | 12463 |
| 34 | 2 | Washer, 3/8" Lock - Auto Black | 10069BK |
| 35 | 2 | Nut, 3/8-16 Hex - Auto Black | 10059BK |
| 36 | 1 | Bearing, 1 1/2" ID Peer Thrust | 99236-000 |
| 37 | 1 | Bracket, Switch | 05732-000 |
| 38 | 1 | Switch, Micro - SPDT C-H | 14218 |
| 39 | 2 | RMS, #4-40 x 3/4" | 85007-000 |
| 40 | 2 | Nut, #4-40 Hex | 10976 |
| 41 | 2 | Rivet, Pop - SD45BS - 1/8" - 0.25" / 0.31" | 13906 |
| 42 | 1 | Assembly, Cap & Bolt - 1.5" - Whale | 18078A-1.5 |
| 43 | 1 | Bolt, 7/16-20 x 2" Hex | 77106 |
| 44 | 1 | Washer, 7/16" Lock | 13843 |
| 45 | 1 | Weldment, Seat Pan - Caravan | 05792-000 |
| 46 | 1 | Weldment, Latch Swivel - Seat Plate | 05787-000 |
| 47 | 1 | Bolt, 1/2-13 x 1 1/2" Hex | 10038 |
| 48 | 1 | Nut, 1/2-13 Hex Lock | 13157 |
| 49 | 1 | Spring, WD Companion 0.36" OD x 1.5" L x 0.055" | 98041-000 |
| 50 | 1 | Bolt, 3/8-16 x 1" Hex - Auto Black | 10025 |
| 51 | 1 | Nut, 3/8-16 Hex | 10059 |
| 52 | 1 | Cap, Vinyl 5/8" x 3/16" x 1 1/4" | 18238 |
| 53 | 1 | Cover, Motor - Companion Seat | 05714-000 |
| 54 | 2 | Guide, Side - UHMW - 1/8" x 3/4" x 6 1/4" | 05742-000 |
| 55 | 1 | Cover, Lower - Companion Seat | 05721-000 |
| 56 | 1 | Weldment, Cover In / Out - Companion Seat | 05788-000 |
| 57 | 2 | Bolt, 1/4-20 x 3/8" FLBHSCS - Grade 8 | 28252 |
| 58 | 2 | Nut, Barrier Pivot | 04082-000 |
| 59 | 2 | Bolt, 1/4-20 x 3/4" Flat Socket Button Head - Auto Black | 18708 |
| 60 | 2 | Nut, 1/4-20 Hex | 10057 |
| 61 | 4 | Nut, Barrier Stainless Steel | 04395-000 |
| 62 | 1 | Cover, Companion Seat | 05768-000 |
| 63 | 4 | Rivet, Snap - 0.201" x 0.256" / 0.295" - Black | 26362 |
| 64 | 1 | Washer, Floor - 2 3/8" OD x 3/8" ID | 82023-000 |
| 65 | 1 | Washer, Flat - 5/16" - Auto Black | 10063 |
| 66 | 1 | Bolt, 5/16-18 x 3/4" Hex | 13890 |
| 67 | 2 | Washer, 1/4" Flat - Auto Black | 10062 |
| 68 | 2 | Bolt, 1/4-20 x 1/2" Socket Button Head - Auto Black | 15733 |

Companion Seat™ Exploded View



Unfold for:
Companion Seat™
Exploded View

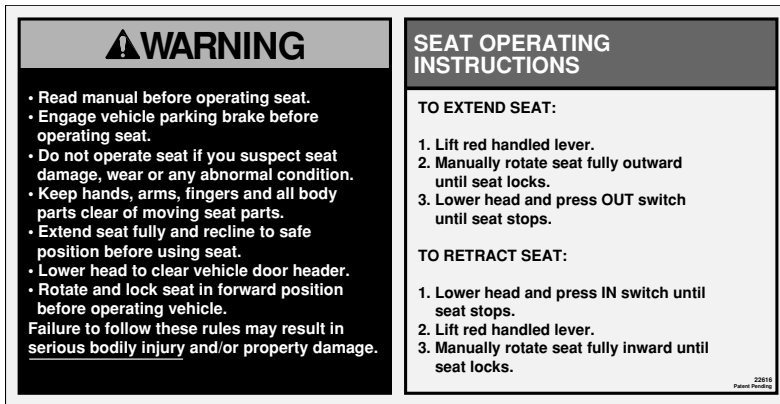
Safety Instructions Decals



Inspect your Companion Seat regularly for any missing, worn or illegible decals. Part numbers are provided for all decals. Be certain decals 21418, 21419 and 22616 have been posted in the locations specified in Steps 41 of the Installation Instructions (page 27). These decals **must** be visible to the Companion Seat occupant.

Important! Prepare the decal posting surfaces as detailed.

Decal Application Procedure (Surface Preparation): Clean decal posting surfaces with isopropyl alcohol **before** decal application. Use a clean cloth or paper towels. **Do not** use oily shop rags. Wipe surface free of residue with dry portion of cleaning cloth.



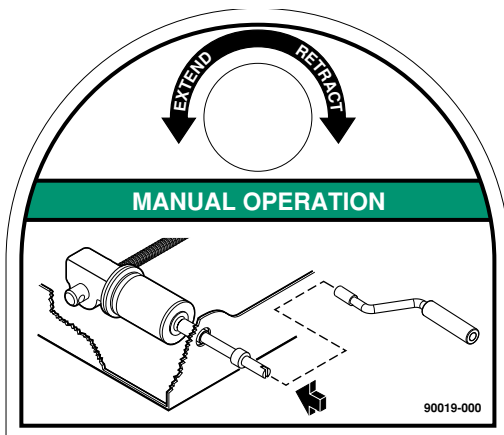
Decal 22616
Actual Size:
8-1/8" Wide x 4-1/8" Tall



Decal 21417
Actual Size:
2-15/32" Wide x 1-5/16" Tall



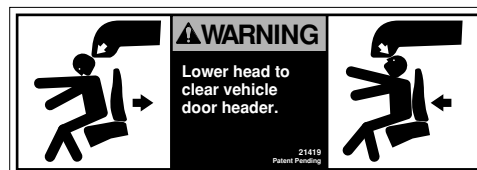
Decal 21599
Actual Size:
2-15/31" Wide x 1-5/16" Tall



Decal 90019-000
Actual Size:
3-1/2" Wide x 3" Tall



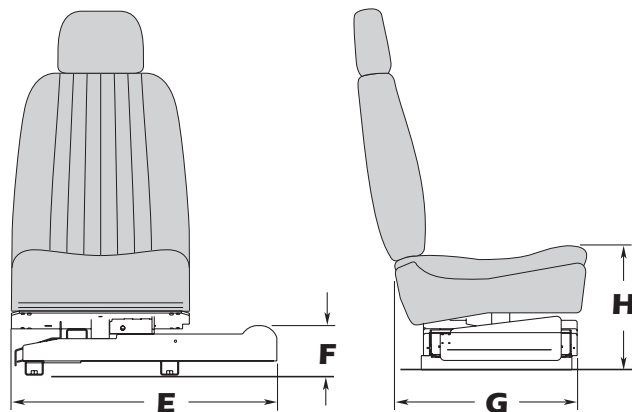
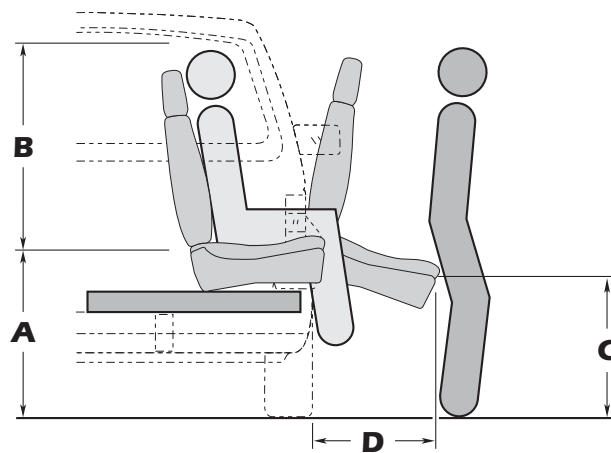
Decal 21418
Actual Size:
3-3/8" Wide x 1-3/4" Tall



Decal 21419
Actual Size:
5" Wide x 1-3/4" Tall

Dimensions and Specifications

| Dimensions | | |
|--|----------|---------|
| Seating Surface to Ground (Retracted Position) | A | 30-1/2" |
| Head Clearance (Seating Surface to Door Header) | B | 29" |
| Seating Surface to Ground (Extended Position) | C | 22" |
| Side of Van to Front Edge of Seat | D | 12" |
| Overall Width (Side to Side) | E | 29-1/2" |
| Overall Height of Seat Base | F | 5" |
| Overall Depth (Front to Rear) | G | 17" |
| Seating Surface to Vehicle Floor | H | 13-1/2" |



| Specifications | |
|--|--|
| Frame Construction ..Mist Grey Powder Coated Steel | ControlsToggle Switch Hand Pendant |
| Seat Capacity 300 lbs. | Circuit Breaker 15 amp. Auto Reset |
| Shipping Weight 130 lbs. | Cycle Time (each way) 18 seconds (approximate) |
| Power Supply 12 Volt DC | Swivel 90° (Manual Operation) |
| * Motor12 Volt DC Reversible Automotive Type | Auxiliary Operating SystemManual Type |

* with thermal overload protection

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1-800-THE LIFT (574) 946-6153 FAX: (574) 946-4670

Braun "Worry-Free" Three-Year Limited Warranty

The Braun Corporation of Winamac, Indiana, warrants its wheelchair lift against defects in material and workmanship for three years, providing the lift is operated and maintained properly and in conformity with this manual. This warranty is limited to the original purchaser and does not cover defects in the motor vehicle on which it is installed, or defects in the lift caused by a defect in any part of the motor vehicle.

This warranty commences on the date the lift is put in service, providing the warranty registration card is completed and received by The Braun Corporation within 20 days of purchase.

This warranty also covers the cost of labor for the repair or replacement of most parts for one year when performed by an authorized Braun Representative. (A Braun labor schedule determines cost allowance for repairs.)

This warranty does not cover normal maintenance, service, or periodic adjustments necessitated by use or wear. The Braun Corporation will not, under any circumstances, pay for loss of use of lift or vehicle in which it is installed or loss of time.

This warranty will become null and void if the lift has been damaged through accident, misuse, or neglect, or if the lift has been altered in any respect.

Return Authorization Procedure

When processing any warranty claims (parts, repairs, etc.), all requests must be processed through The Braun Corporation Product Support Department. Call 1-800-THE LIFT (extension 3009) during normal working hours. Product Support will issue a Return Material Authorization (RMA) number and detail the procedures required for processing returns and/or authorizing credit.

The lift identification information is provided on the Braun Serial No./Series No. identification tag and the two warranty cards (shown on inside front cover). The lift identification information must be provided when filing a warranty claim or ordering parts.

Assistive Power Seat Base for Chrysler Mini-Vans



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22722C May 2003



Companion Seat™
for Chrysler Mini-Vans

All illustrations, descriptions and specifications in this manual are based on the latest product information available at the time of publication. The Braun Corporation reserves the right to make changes at any time without notice.