



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.



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About



Welcome, Lu Anne Cottrill

Procurement

Budgeting

Accounts Receivable

Accounts Payable

Solicitation Response(SR)

Dept: 0805

ID: ESR02172100000005584

Ver.: 1

Function: New

Phase: Final

Modified by batch , 02/17/2021

Header @ 4

List View

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 832154

Procurement Type: Central Master Agreement

Vendor ID: VS0000014439



Legal Name: Creative Bus Sales, Inc.

Alias/DBA:

Total Bid: \$0.00

Response Date: 02/17/2021



Response Time: 11:02

Responded By User ID: biddepartment



First Name: Marcus

Last Name: Hoffman

Email: biddepartment@creative1

SO Doc Code: CRFQ

SO Dept: 0805

SO Doc ID: PTR2100000007

Published Date: 2/10/21

Close Date: 2/17/21

Close Time: 13:30

Status: Closed

Solicitation Description: Addendum #2 ADA Lowered Floor Minivans

Total of Header Attachments: 4

Total of All Attachments: 4





Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Solicitation Response

**Proc Folder:** 832154  
**Solicitation Description:** Addendum #2 ADA Lowered Floor Minivans  
**Proc Type:** Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-02-17 13:30	SR 0805 ESR02172100000005584	1

**VENDOR**  
VS0000014439  
Creative Bus Sales, Inc.

**Solicitation Number:** CRFQ 0805 PTR2100000007  
**Total Bid:** 0  
**Response Date:** 2021-02-17  
**Response Time:** 11:02:33  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
Toby L Welch  
(304) 558-8802  
toby.l.welch@wv.gov

<b>Vendor Signature X</b>	<b>FEIN#</b>	<b>DATE</b>
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	ADA Lowered Floor Minivans	0.00000	EA	787880.000000	0.00

Comm Code	Manufacturer	Specification	Model #
25101502			

**Commodity Line Comments:** Unit Price is Total Bid Evaluation from Exhibit A Pricing Page

**Extended Description:**

ADA Lowered Floor Minivans



Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

State of West Virginia  
Centralized Request for Quote  
Vehicles

**Proc Folder:** 832154

**Doc Description:** Addendum #2 ADA Lowered Floor Minivans

**Reason for Modification:**

Addendum #2 to publish vendor questions

**Proc Type:** Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2021-02-10	2021-02-17 13:30	CRFQ 0805 PTR2100000007	3

**BID RECEIVING LOCATION**

BID CLERK  
DEPARTMENT OF ADMINISTRATION  
PURCHASING DIVISION  
2019 WASHINGTON ST E  
CHARLESTON WV 25305  
US

**VENDOR**

**Vendor Customer Code:**

**Vendor Name :** Creative Bus Sales, Inc.

**Address :** 57475 County Road 3

**Street :**

**City :** Elkhart

**State :** Indiana

**Country :** USA

**Zip :** 46517

**Principal Contact :** Marcus Hoffman

**Vendor Contact Phone:** (800) 326-2877

**Extension:** 508

**FOR INFORMATION CONTACT THE BUYER**

Toby L Welch  
(304) 558-8802  
toby.l.welch@wv.gov

**Vendor  
Signature X**

**FEIN#** 33-0388707

**DATE** 2/12/2021

**All offers subject to all terms and conditions contained in this solicitation**

**ADDITIONAL INFORMATION**

Addendum #2 issued to modify the solicitation identified by the following:

1. To modify the specifications in sections 3 and to remove the mandatory specification 5.1.m
2. To publish a copy of vendor questions with responses
3. To modify the Exhibit A pricing pages to separate Exhibit B and Exhibit C graphics and paint costs

No other changes

**INVOICE TO**

PUBLIC TRANSIT DIVISION OF  
BLDG 5 RM 650  
1900 KANAWHA BLVD E  
CHARLESTON WV 25305-0432  
US

**SHIP TO**

PUBLIC TRANSIT DIVISION OF  
KANAWHA VALLEY REGIONAL TRANSPORTATION  
AUTHORITY  
1550 FOURTH AVE  
CHARLESTON WV 25324  
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	ADA Lowered Floor Minivans	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

**Extended Description:**

ADA Lowered Floor Minivans

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Technical Questions due by 4:00 p.m.	2021-02-09

	Document Phase	Document Description	Page 3
PTR2100000007	Final	Addendum #2 ADA Lowered Floor Minivans	

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**REQUEST FOR QUOTATION**  
**Passenger Type Dual Rear Tire Van (Non-Raised Roof)**

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**BID FORM #1**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

**Location(s) of the Technical Service Representative(s) and parts distribution center(s) closest or in the State of West Virginia.**

**Location(s) of the technical service representative(s).**

**Name:** Creative Bus Sales - Indiana

**Address:** 57475 County Road 3, Ekhart, IN 46517

**Telephone:** \_\_\_\_\_

**Name:** (800) 326-2877

**Address:** Creative Bus Sales - Georgia

1525 Willingham Drive, Atlanta, GA 30344

**Telephone:** (770) 422-8920

**Location(s) of parts distribution center(s).**

**Name:** Creative Bus Sales - Indiana

**Address:** 57475 County Road 3, Ekhart, IN 46517

**Telephone:** (800) 326-2877

**Name:** Creative Bus Sales - Parts Distribution Warehouse

**Address:** 3632 E. LaSalle, Phoenix, AZ 85040

**Telephone:** (888) 993-5040

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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**BID FORM #2**

**CERTIFICATION FOR AIR & WATER POLLUTION  
MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

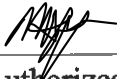
The Vendor certifies that the vehicles proposed:

**ARE**   X   in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86, 40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the Environmental Protection Agency of the United States Government.

**ARE NOT**        in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86, 40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the Environmental Protection Agency of the United States Government.

2/12/2021

Date



Authorized Signature

Bid Manager

Title

Creative Bus Sales, Inc.

Company Name

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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**BID FORM #3**

**DISADVANTAGED BUSINESS ENTERPRISE  
VENDORS/ MANUFACTURERS CERTIFICATION**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

**(Check appropriate statement)**

☐ The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

☒ The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.

2/12/2021

Date



Authorized Signature

Bid Manager

Title

Creative Bus Sales, Inc.

Company Name



## REQUEST FOR QUOTATION

### Passenger Type Dual Rear Tire Van (Non-Raised Roof)

**BID FORM #4**

## BUY AMERICA CERTIFICATION

## ROLLING STOCK

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

## Certificate of Compliance

The bidder or offeror hereby certifies that it will comply with the requirements of section 165(b) (3), of the Surface Transportation Assistance Act of 1982, as amended, and the applicable regulations of 49 CFR 661.11:

2/12/2021

Date \_\_\_\_\_

  
Authorized Signature

Creative Bus Sales, Inc.

**Company Name**

Marcus Hoffman

Name

## Bid Manager

### Title

## Certificate for Non-Compliance

The bidder or offeror hereby certifies that it cannot comply with the requirements of section 165(b) (3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirement consistent with section 165(b) (2) or (b) (4) of the Surface Transportation Assistance Act, as amended, and the applicable regulations in 49 CFR 661.7.

Date \_\_\_\_\_

**Authorized Signature**

Company Name

Name

### Title

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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**BID FORM #5**

**FEDERAL MOTOR VEHICLE  
SAFETY STANDARDS CERTIFICATION**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

The vendor hereby certifies that it shall submit, as required by Title 49 of the CFR, Part 663 - Subpart D, its self-certification information stating that the vehicle(s) will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

2/12/2021

Date



Authorized Signature

Bid Manager

Title

Creative Bus Sales, Inc.

Company Name

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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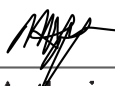
**BID FORM #6**  
**U.S. Comptroller's Debarment List Certification**  
**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

\_\_\_\_\_ Creative Bus Sales, Inc. \_\_\_\_\_ hereby certifies that it

\_\_\_\_\_ **IS or**

  X   **IS NOT** (specify one) included on the U.S. GSA's debarment and suspension information available at <https://www.sam.gov>.

  2/12/2021    
Date

  
\_\_\_\_\_  
Authorized Signature

  Bid Manager    
Title

  Creative Bus Sales, Inc.    
Company Name

**REQUEST FOR QUOTATION**  
**Passenger Type Dual Rear Tire Van (Non-Raised Roof)**

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**BID FORM #7**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**  
**CERTIFICATION OF PRIMARY PARTICIPANT REGARDING**  
**DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract),

\_\_\_\_\_ Creative Bus Sales, Inc. \_\_\_\_\_ (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

**THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),**  
\_\_\_\_\_ Creative Bus Sales, Inc. \_\_\_\_\_, **CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.**

 \_\_\_\_\_  
Signature and Title of Authorized Official

REQUEST FOR QUOTATION  
ADA Compliant Lowered Floor Mini-Van

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**BID FORM #8**  
**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

***VENDOR'S CERTIFICATION OF  
UNDERSTANDING AND ACCEPTANCE***

The Vendor hereby certifies that all Technical Specifications and Contract Terms and Conditions have been carefully reviewed, are fully understood and shall be adhered to in performance and completion of any contract resulting from this bid.

2/12/2021

Date



Authorized Signature

Bid Manager

Title

Creative Bus Sales, Inc.

Company Name

**SPECIFICATION COMPLIANCE**

NOTE: Please check if what is offered is in exact compliance with specifications. Any discrepancies must be listed as an attachment to the bid proposal. Exact dimensions and/or descriptions must be provided as a part of the Vendor's bid proposal when submitted.

           Bid proposal submitted meets and/or exceeds all specification requirements.

           Bid proposal submitted contains deviations from specification requirements. Detailed descriptions of these deviations have been provided with this bid proposal.

REQUEST FOR QUOTATION  
ADA Compliant Lowered Floor Mini-Van

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**BID FORM #9**  
**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**  
**CERTIFICATION OF RESTRICTIONS ON LOBBYING**

The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress regarding the award of a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, or the extension, continuation, renewal, amendment, or modification of any Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance.
2. If any funds other than Federal appropriated funds have been or will be paid to any person to influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or any employee of a Member of Congress in connection with any application for a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance the undersigned assures that it will complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," Rev. 7-97; and
3. The undersigned understands that the language of this certification shall be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, sub agreements, and contracts under grants, loans (including a line of credit), cooperative agreements, loan guarantees, and loan insurance.

Undersigned understands that this certification is a material representation of fact upon which reliance is placed by the Federal government and that submission of this certification is a prerequisite for providing a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance for a transaction covered by 31 U.S.C. 1352. The undersigned also understands that any person who fails to file a required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The (Vendor, Contractor) Creative Bus Sales, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the (Vendor, Contractor) understands and agrees that the provisions of 31 U.S.C. §§ 3801, et seq., apply to this certification and disclosure.

2/12/2021  
Date

  
Authorized Signature

Bid Manager  
Title

**REQUEST FOR QUOTATION  
ADA Compliant Lowered Floor Mini-Van**

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**BID FORM #10**

**REQUIRED BID DOCUMENTATION CHECKLIST**

Model Year: \_\_\_\_\_ Model: \_\_\_\_\_

**Mandatory Bid Forms – must be submitted with bid:**

- ☒ Bid Form #1: Locations of Technical Service Representatives and Parts Distribution Centers
- ☒ Bid Form #2: Certification for Air & Water Pollution
- ☒ Bid Form #3: Disadvantaged Business Enterprise Vendors/Manufacturers Certification
- ☒ Bid Form #4: Buy America Certification Rolling Stock
- ☒ Bid Form #5: Federal Motor Vehicle Safety Standards Certification
- ☒ Bid Form #6: U.S. Comptroller's Debarment List Certification
- ☒ Bid Form #7: Certification of Primary Participant Regarding  
Debarment, Suspension, and Other Responsibility Matters
- ☒ Bid Form #8: Vendor's Certification of Understanding and Acceptance
- ☒ Bid Form #9: Certification of Restrictions on Lobbying
- ☒ Exhibit A Pricing Page

REQUEST FOR QUOTATION  
ADA Compliant Lowered Floor Mini-Van

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**Documentation – to be submitted with bid:**

**Referenced**

- ✓ 3.3.1.1 Engine: 3.5 Liter EcoBoost V-6 gasoline engine – provide product description, warranty information and product literature.
- ✓ 3.6.1 Transmission (separate cooling system): provide product description, warranty information and product literature.
- ✓ 3.6.4 Back Up Camera System: provide product description, warranty information and product literature.
- ✓ 3.11 Tires: provide product description, warranty information and product literature.
- ✓ 3.12.1 Alternator: provide product description, warranty information and product literature.
- ✓ 3.14.19 Exterior Vinyl Colors: provide samples/chart of available colors.
- ✓ 3.14.4 Undercoating and Rustproofing: provide product description, warranty information and literature.
- ✓ 3.14.7 Ambulatory Passenger Entrance/Exit: provide location, size, door operating details.
- ✓ 3.19.2 Floor Covering: provide samples of floor covering and colors to be provided.
- ✓ 3.22 Seating: provide product description, warranty information, product literature and color charts for all of the seating products to be utilized. **Proposed floor plan.**
- ✓ 3.2201 Driver's Seat: provide description of product.
- ✓ 3.27 Wheelchair Securement System: provide product description, warranty information and product literature.
- ✓ 3.28 Wheelchair Occupant Restraint System: provide product description, warranty information and product literature.
- ✓ 3.29 Wheelchair Lift: provide Make, Model #, product description, warranty information and product literature.



**REQUEST FOR QUOTATION**  
**ADA Compliant Lowered Floor Mini-Van**

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- ☒ 3.30 AM/FM Radio/CD: provide product description, warranty information and product literature.
- ☒ 3.35 Training: submit letter of understanding to the terms in this Section.
- ☒ 3.31.5 Security Camera: provide product description, warranty information and product literature.
- ☒ 5.9.1 Warranty on complete vehicle.
- ☒ 5.9.2 Warranty on Basic Vehicle Structure.
- ☒ 5.9.4 Warranty: warranties to be provided on subsystems and components.
- ☒ 10.2 A. Complete mechanical description of vehicle, its construction and equipment including manufacturer's model name and /or number. Include description of front and rear air conditioning and heat systems.
- ☒ 10.2 B Proposed interior floor plans, showing detailed dimensions including the location of the wheelchair securement system and stanchions.
- ☒ 10.2 C. Curb weight (empty weight) and gross vehicle weight rating (GVWR) of vehicle.
- ☒ 10.2 D. Samples or paint charts of available exterior paint colors and vinyl.
- ☒ 10.2 H. Identification of the conversion location of the van.
- ☒ 10.2 I. A list of five (5) users names, addresses, emails and telephone numbers who have been provided similar equipment by the Vendor.
- ☒ No Debt Affidavit
- ☒ Addendum Acknowledgement

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Creative Bus Sales, Inc.  
(Name, Title)  
Mike Wilson, Regional Sales Manager  
(Printed Name and Title)  
57475 County Road 3, Elkhart, IN 46517  
(Address)  
(800) 326-2877 / (574) 830-0063  
(Phone Number) / (Fax Number)  
mikew@creativebussales.com  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Creative Bus Sales, Inc.  
(Company)

  
(Authorized Signature) (Representative Name, Title)

Marcus Hoffman, Bid Manager  
(Printed Name and Title of Authorized Representative)

2/12/2021  
(Date)

(800) 326-2877 / (602) 437-2758  
(Phone Number) (Fax Number)

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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**19. MISCELLANEOUS:**

- 19.1 No Substitutions:** Vendor shall supply only Vehicles as submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.
- 19.2 Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.
- 19.3 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

**Contract Manager:** Mike Wilson

**Telephone Number:** (800) 326-2877

**Fax Number:** (574) 830-0063

**Email Address:** mikew@creativebussales.com

**19.4 NOTIFICATION OF FEDERAL PARTICIPATION**

Federal funding for this project is being provided by the Federal Transit Administration through various CFDA grants for 80% of the project cost. CFDA grants will be specified after award.

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

---

**BID FORM #2**

**CERTIFICATION FOR AIR & WATER POLLUTION  
MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

The Vendor certifies that the vehicles proposed:

**ARE X** in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86, 40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the Environmental Protection Agency of the United States Government.

**ARE NOT \_\_\_\_\_** in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86, 40 CFR Part 600, Clean Water Act and the air/water pollution criteria established by the Environmental Protection Agency of the United States Government.

February 12, 2021

Date



Authorized Signature

Commercial Vehicle Inside Sales Senior Manager

Title

The Braun Corporation

Company Name

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

**BID FORM #3**

**DISADVANTAGED BUSINESS ENTERPRISE  
VENDORS/ MANUFACTURERS CERTIFICATION**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

**(Check appropriate statement)**

  X   The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

       The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.

February 12, 2021

Date



Authorized Signature

Commercial Vehicle Inside Sales Senior Manager

Title

The Braun Corporation

Company Name

**REQUEST FOR QUOTATION**  
**Passenger Type Dual Rear Tire Van (Non-Raised Roof)**

---

**BID FORM #4**

**BUY AMERICA CERTIFICATION**  
**ROLLING STOCK**  
**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

**Certificate of Compliance**

The bidder or offeror hereby certifies that it will comply with the requirements of section 165(b) (3), of the Surface Transportation Assistance Act of 1982, as amended, and the applicable regulations of 49 CFR 661.11:

February 12, 2021  
Date  
Scott Alexander  
Authorized Signature

The Braun Corporation  
Company Name

Scott Alexander  
Name

Commercial Vehicle Inside Sales Senior Manager  
Title

**Certificate for Non-Compliance**

The bidder or offeror hereby certifies that it cannot comply with the requirements of section 165(b) (3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirement consistent with section 165(b) (2) or (b) (4) of the Surface Transportation Assistance Act, as amended, and the applicable regulations in 49 CFR 661.7.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

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**BID FORM #5**

**FEDERAL MOTOR VEHICLE  
SAFETY STANDARDS CERTIFICATION**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

The vendor hereby certifies that it shall submit, as required by Title 49 of the CFR, Part 663 - Subpart D, it's self-certification information stating that the vehicle(s) will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

February 12, 2021

Date



Authorized Signature

Commercial Vehicle Inside Sales Senior Manager

Title

The Braun Corporation

Company Name

REQUEST FOR QUOTATION  
Passenger Type Dual Rear Tire Van (Non-Raised Roof)

---

**BID FORM #6**  
**U.S. Comptroller's Debarment List Certification**  
**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

The Braun Corporation hereby certifies that it

       IS or

  X   IS NOT (specify one) included on the U.S. GSA's debarment and suspension  
information available at <https://www.sam.gov>.

February 12, 2021

Date



Authorized Signature

Commercial Vehicle Inside Sales Senior Manager  
Title

The Braun Corporation  
Company Name



**REQUEST FOR QUOTATION**  
**Passenger Type Dual Rear Tire Van (Non-Raised Roof)**

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**BID FORM #7**

**MANDATORY BID FORM – MUST BE SUBMITTED WITH BID**

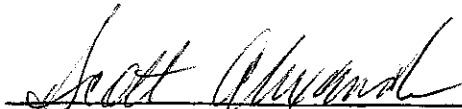
**CERTIFICATION OF PRIMARY PARTICIPANT REGARDING  
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract),  
The Braun Corporation (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),  
The Braun Corporation, CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.



Signature and Title of Authorized Official  
Scott Alexander, Commercial Vehicle Inside Sales Senior Manager

**REQUEST FOR QUOTATION  
ADA Compliant Lowered Floor Mini-Van**

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**BID FORM #0  
MANDATORY BID FORM – MUST BE SUBMITTED WITH BID  
CERTIFICATION OF RESTRICTIONS ON LOBBYING**

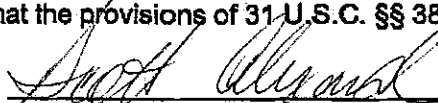
The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress regarding the award of a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, or the extension, continuation, renewal, amendment, or modification of any Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance.
2. If any funds other than Federal appropriated funds have been or will be paid to any person to influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or any employee of a Member of Congress in connection with any application for a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance the undersigned assures that it will complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," Rev. 7-97; and
3. The undersigned understands that the language of this certification shall be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, sub agreements, and contracts under grants, loans (including a line of credit), cooperative agreements, loan guarantees, and loan insurance.

Undersigned understands that this certification is a material representation of fact upon which reliance is placed by the Federal government and that submission of this certification is a prerequisite for providing a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance for a transaction covered by 31 U.S.C. 1352. The undersigned also understands that any person who fails to file a required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The (Vendor, Contractor) The Braun Corporation, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the (Vendor, Contractor) understands and agrees that the provisions of 31 U.S.C. §§ 3801, et seq., apply to this certification and disclosure.

February 12, 2021  
Date

  
Authorized Signature

Commercial Vehicle Inside Sales Senior Manager  
Title

**REQUEST FOR QUOTATION  
ADA LOWERED FLOOR MINIVANS  
EXHIBIT A PRICING PAGE**

<b>Class</b>	<b>Vehicle Description</b>	<b>Unit Price Per Vehicle</b>	<b>Estimated Quantity</b>	<b>Extended Price</b>
<b>A</b>	<b>Vehicle, One Wheelchair Position, White, No Stripes or Logos</b>	<b>52,237.00</b>	<b>5</b>	<b>\$ 261,185.00</b>
<b>B</b>	<b>Vehicle, One Wheelchair Position, Transit Systems Paint Scheme, (See Exhibit B)</b>	<b>52,887.00</b>	<b>5</b>	<b>\$ 264,435.00</b>
<b>C</b>	<b>Vehicle, One Wheelchair Position, Transit Systems Paint Scheme, (See Exhibit C)</b>	<b>55,337.00</b>	<b>5</b>	<b>\$ 276,685.00</b>
<b>D</b>	<b>Vehicle, One Wheelchair Position, White, 5310 Logo, Stripes and Agency Name and Phone Number (See Exhibit D)</b>	<b>52,452.00</b>	<b>5</b>	<b>\$ 262,260.00</b>

<b>TOTAL BID EVALUATION</b>	<b>\$ 787,880.00</b>
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**Complete form provided**

**Please note these are only estimated quantities and do not reflect any guarantee of purchase**

**The DPT may purchase more or less as needed.**

**Please do not alter Pricing Page**



## **DOCUMENTATION SUMMARY FOR WV MINIVAN BID      FEBRUARY 2021**

**Section 3.3.1.1 Engine-**Please see page 3 of provided literature marked “21 Voyager L bid Spec”. The OEM warranty period applies as described in our response to section 5.9.

3.6L V-6 DOHC SMPI 24 valve engine with VVT variable valve control, cylinder deactivation \* 180 amp alternator \* 650 amp battery with run down protection, auxiliary battery \* Engine block heater, engine oil cooler, transmission oil cooler \* 9-speed electronic automatic transmission with overdrive, lock-up \* Front-wheel drive \* ABS & driveline traction control \* 3.25 axle ratio \* Stainless steel exhaust

**Section 3.6.1 Transmission-**Please see pages 6 and 11 of provided literature marked “21 Voyager L bid Spec”. The OEM warranty period applies as described in our response to section 5.9.

9 speed automatic trans w/OD

**Section 3.6.4 Back Up Camera-** Please see the literature provided marked “Parkview Rear Back Up Camera”. The OEM warranty period applies as described in our response to section 5.9.

**Section 3.11 Tires-** Please see page 6 of provided literature marked “21 Voyager L bid Spec”. The tires will be those provided from Chrysler at the time the orders are placed and may vary. The tire warranty that applies also varies by the tire manufacturer and may have many factors like mileage and road hazard. We would be happy to provide the tire warranty that applies prior to vehicle delivery once the tire manufacturer and their current warranties are known.

**Tires: 235/65R17 BSW AS**

**Wheels: 17" x 7.5" Steel**

**Section 3.12.1 Alternator-** Please see page 3 of provided literature marked “21 Voyager L bid Spec”. The OEM warranty period applies as described in our response to section 5.9.

**180 amp alternator**

**Section 3.14.7 Ambulatory Passenger Entrance/Exit-** Ambulatory passenger entrance and exit doors are OEM sliding doors, Please Page 9 of the literature marked “Voyager Side Entry ADA Operators Manual” and the literature marked “Seating Floor Plan”.

**Section 3.14.19- Exterior Vinyl Colors-** Please see the literature provided marked “3.14.19 and 10.2 D - Exterior Vinyl Color Chart”.

**Section 3.14.4 Undercoating and Rustproofing-** Please the provided literature marked “Materials Data Sheet – Undercoating”. Warranty for the undercoating will mirror the conversion warranty as outlined in our literature marked “Braun Conversion Warranty”.

**Section 3.19.2 Floor Covering-** As this is an electronic submittal, samples of GerFlor can be provided upon request, as they would have to be mailed. Warranty for the flooring material will mirror the conversion warranty as outlined in our literature marked “Braun Conversion Warranty”.

**Section 3.22 Seating-** When seats are non-OEM provided seats, please see the Freedman Go-ES brochure that we provided. Warranty for the seats will mirror the conversion warranty as outlined in our literature marked “Braun Conversion Warranty”.

**Section 3.2201 Driver’s Seat-** The driver’s seat will be the OEM seat. It will be a six-way adjustable, with height and reclining adjustment. The OEM warranty period applies as described in our response to section 5.9.

**Section 3.27 Wheelchair Securement System-** See pages 18-35 of the literature marked “Voyager Side Entry ADA Operators Manual”. Also see the QRT Deluxe brochure provided. Warranty for the securements are outlined in the literature provided marked “Q-Straint Limited Warranty”.

**Section 3.28 Wheelchair Occupant Restraint System** -See pages 18-35 of the literature marked “Voyager Side Entry ADA Operators Manual”. Also see the literature marked “Freedman Go-ES brochure”. The OEM warranty period applies as described in our response to section 5.9. Freedman warranty for the seats will mirror the conversion warranty as outlined in our literature marked “Braun Conversion Warranty”.

**Section 3.29 Wheelchair Lift-** As we are proposing an ADA compliant Wheelchair Accessible Minivan with a ramp for wheelchair access, we cannot provide details on a lift. However, details on our wheelchair ramp can be found on Pages 10-16 of the literature marked “Voyager Side Entry ADA Operators Manual”.

**Section 3.29 AM/FM Radio/CD:** We will provide the OEM radio system described below. No CD player is available; however, the system includes a 7” touchscreen, Apple CarPlay support, Android Auto integration, Integrated Voice Command, Bluetooth Streaming Audio and Sirius XM radio connectivity available, subscription required and not included. The OEM warranty period applies as described in our response to section 5.9.

**Radio: Uconnect 4 w/7" Display**

**Section 3.35 Training-** Please accept the below statement as the letter requested as this document is on company letterhead:

Creative Bus Sales understands the training requirements outlined in this section of the specifications. Given the current status of the world, we will provide as much of the training content needed virtually as available.

**Section 3.31.5 Security Camera-** See literature marked “3.31.5 Security Camera specs” and “3.31.5 Angel Trax warranty”.

**Section 5.9.1 Warranty on Complete Vehicle-** For warranty information please see the provided literature marked “Braun Conversion Warranty”

**Section 5.9.2 Warranty on Basic Vehicle Structure-** For warranty information please see the provided literature marked “2021 Chrysler Voyager warranty”

**Section 5.9.4 Warranty: warranties on subsystems and components-** For warranty information please see the provided literature marked “Braun Conversion Warranty”

**Section 10.2 A. Complete mechanical description of vehicle-** The conversion of the OEM Voyager van does not add mechanical components other than those specifically listed above. For the completed vehicle description please see literature provided marked “10.2 A ADA Voyager Brochure”.

**Section 10.2 B. Proposed Interior Floor Plan-**See literature marked “3.14.7, 3.27, and 10.2 B FLOORPLAN-track locations RU Voyager ADA SE”.

**Section 10.2 C. Curb Weight/GVWR-** Please see literature marked “Braun '21 Voyager L Bid Spec and Warranty”

**Section 10.2 D- Samples or paint charts-**As every agency will want to match their paint codes to their existing fleet, paint samples will be provided upon request, once the paint codes are provided by the agency. Please see the literature provided for vinyl colors available marked “3.14.19 and 10.2 D - Exterior Vinyl Color Chart”.

**Section 10.2 H Identification of Conversion Location-** The vans will be converted by Braun Ability at the address below:  
631 West 11<sup>th</sup> Street  
Winamac, IN 46996  
(800) 488-0359

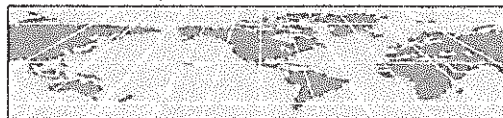
**Section 10.2 I- Referrals-**Please see provided literature marked “10.2.I Reference List”.

International Corporate Headquarters:

**The Braun Corporation**  
631 W. 11th Street  
P.O. Box 310  
Winamac, IN 46996 USA  
1-800-THE LIFT  
(574) 946-6153  
FAX: (574) 946-4670

[www.braunlift.com](http://www.braunlift.com)

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



### **ADA CERTIFICATION**

The Braun Corporation hereby certifies that the conversions being proposed (delivered) will comply with all applicable specifications of the Americans with Disabilities Act.

Signed:  Scott Alexander

Title: Commercial Vehicle Inside Sales Senior Manager

Date: February 12, 2021

CAUTION!

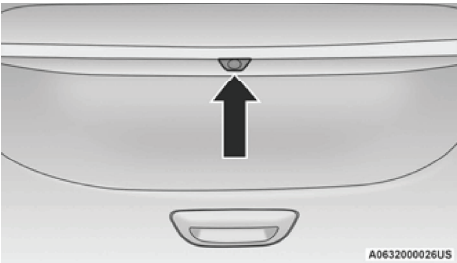
- ParkSense is only a parking aid and it is unable to recognize every obstacle, including small obstacles. Parking curbs might be temporarily detected or not detected at all. Obstacles located above or below the sensors will not be detected when they are in close proximity.
- The vehicle must be driven slowly when using ParkSense in order to be able to stop in time when an obstacle is detected. It is recommended that the driver looks over his/her shoulder when using ParkSense.

PARKVIEW REAR BACK UP CAMERA

The ParkView Rear Back Up Camera allows you to see an on-screen image of the rear surroundings of your vehicle whenever the gear selector is put into REVERSE. The image will be displayed on the touchscreen display along with a caution note “Check Entire Surroundings” across the top of the screen. After five seconds, this note will disappear. The ParkView Rear Back Up Camera is located on the rear of the vehicle above the rear license plate.

NOTE:

The ParkView Rear Back Up Camera has programmable modes of operation that may be selected through the Uconnect system ➔ page 158.



ParkView Camera Location

When the vehicle is shifted out of REVERSE (with camera delay turned off), the rear camera mode is exited and the previous screen appears.

When the vehicle is shifted out of REVERSE (with camera delay turned on), the camera image will continue to be displayed for up to 10 seconds unless the vehicle speed exceeds 8 mph (13 km/h), the vehicle is shifted into PARK, or the ignition is placed in the OFF position.

A touchscreen button to disable display of the camera image is made available when the vehicle is not in REVERSE gear. Display of the camera image after shifting out of REVERSE can be disabled via a touchscreen button personalization entry in the camera settings menu.

When enabled, active guidelines are overlaid on the image to illustrate the width of the vehicle and its projected backup path based on the steering wheel position.

Different colored zones indicate the distance to the rear of the vehicle.

The following table shows the approximate distances for each zone:

Zone	Distance To The Rear Of The Vehicle
Red	0 - 1 ft (0 - 30 cm)
Yellow	1 ft - 6,5 ft (30 cm - 2 m)
Green	6,5 ft or greater (2 m or greater)



**NOTE:**

If snow, ice, mud, or any foreign substance builds up on the camera lens, clean the lens, rinse with water, and dry with a soft cloth. Do not cover the lens.

**WARNING!**

Drivers must be careful when backing up even when using the ParkView Rear Back Up Camera. Always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up. You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

**CAUTION!**

- To avoid vehicle damage, ParkView should only be used as a parking aid. The ParkView camera is unable to view every obstacle or object in your drive path.

(Continued)

**CAUTION! (Continued)**

- To avoid vehicle damage, the vehicle must be driven slowly when using ParkView to be able to stop in time when an obstacle is seen. It is recommended that the driver look frequently over his/her shoulder when using ParkView.

**REFUELING THE VEHICLE**

There is no fuel filler cap. Two flapper doors inside the pipe seal the system.

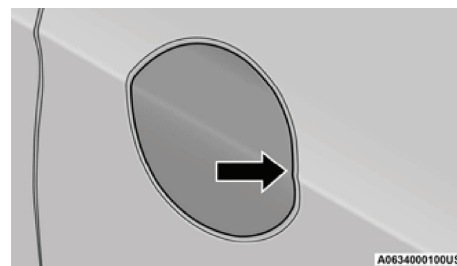
**WARNING!**

- Never have any smoking materials lit in or near the vehicle when the fuel door is open or the tank is being filled.
- Never add fuel when the engine is running. This is in violation of most state and federal fire regulations and may cause the "Malfunction Indicator Light" to turn on.
- A fire may result if fuel is pumped into a portable container that is inside of a vehicle. You could be burned. Always place fuel containers on the ground while filling.

**CAUTION!**

To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

1. Put the vehicle in PARK and switch the ignition OFF.
2. Push the center-rear edge of the fuel filler door (3 o'clock position) and release to open.



**Fuel Filler Door**

3. Insert the fuel nozzle fully into the filler pipe; the nozzle opens and holds both flapper doors while refueling.

# MATERIAL SAFETY DATA SHEET

MANUFACTURED BY:

**Pure Asphalt Co.**

**3300 W. 31<sup>st</sup> St.**

**Chicago, IL. 60623**

## Technical Product Information:

1-773-247-7030

## Emergency Spill and Health Information

1-800-424-9300 (CHEMTREC)

**Date Prepared:** 08-07-07

**Supersedes MSDS:** 05-28-07

## Section I - Product Identification

**Product Name/Number:** #770 Undercoating / Sound Deadener

**Description:** Black, Solvent Based Undercoating and Sound Deadener

## Section 2 – Composition/Information on Ingredients

**Chemical Family:** Petroleum Mixture

**CAS Number:** Mixture Unassigned

**Petroleum Distillates (Stoddard Solvent) CAS # 8052-41-3** Percentage by weight: 45-50%

**Petroleum Hydrocarbon - CAS #8052-42-4;** Percentage by wt. – 35-45%

**Exposure Limits:** PEL: 100 PPM; ACGIH TLV: 100 ppm; ACGIH STEL: 200 ppm

**Listed in NTP, IARC or OSHA 1910 (z):** NO

**HMIS:** 2-2-O-H

## Section 3 – Hazard Identification

**Primary routes of entry:**

Inhalation, skin contact

**Effects of overexposure**  
(acute and chronic)

Mild depression, convulsions and loss of consciousness. Skin contact causes burning, Irritation, defatting and dermatitis.

**Exposure limits:**

Petroleum distillates (Stoddard Solvent):

TLV 100 PPM

PEL 100 PPM

Oxidized Asphalt Fumes: 5 MG/M3

**Irritancy of product**

Eye irritation, Draize test: Moderate

**Sensitization of product:**

Not available

**Carcinogen:**

No

**Teratogen:**

No

**Reproductive toxicity:**

No

**Mutagen:**

No

**Synergistic products:**

Not applicable

## Section 4 - First Aid Measures

**Skin contact:**

Remove and launder contaminated clothing before reuse. Discard shoes if severely contaminated. Wash skin with soap and water.

**Eyes:**

Flush with water for 15 minutes lifting upper and lower lids. Contact physician.

**Inhalation:**

Remove to fresh air, give oxygen if breathing is difficult. Contact physician.

**Ingestion:**

Do not induce vomiting, give white mineral oil. Contact physician. Do not attempt to give anything by mouth to an unconscious person.

## Section 5 – Firefighting

Auto ignition :	>410 F (>210 C)
Flash point :	105F (41C), PMCC
Lower Explosive	0.8%
Upper Explosive Limit :	6.0%
Extinguishing Media:	Foam, dry chemical, water fog. CO2
Sensitive to impact:	No
Sensitive to static discharge	Not available
Hazardous combustion products:	Oxides of carbon
Fire fighting procedures:	Use self contained breathing apparatus. Remove all sources of ignition. Cool exposed drums with water spray.
Fire and explosion hazard:	Vapors are heavier than air and may flow to distant ignition sources.

## Section 6 – Spill or Accidental Release Procedures

Leak and spill procedures:	Remove all sources of ignition, provide adequate ventilation, absorb with vermiculite or other absorbent.
Waste disposal method:	Refer to local, state and federal EPA regulations.
Cercia reportable quantity:	Not listed
RCRA hazardous waste num.:	None (40 CFR 261.33)

## Section 7 – Handling & Storage

Storage requirements:	Store in cool, well ventilated area away from <b>All</b> sources of ignition.
Handling procedures:	Prevent prolonged/repeated skin contact and avoid breathing vapors.

## Section 8 – Exposure Controls/Personal Protection Information

Respiratory protection:	Use air purifying respirator with organic vapor cartridge>TLV if limits are exceeded.
Protective gloves:	Buna-N-Rubber
Eye protection:	Safety glasses goggles
Ventilation:	Explosion proof local exhaust is recommended. Maintain adequate air transfer velocity to remove vapors.
Clothing requirements:	Standard industrial hygiene should be practiced.

## Section 9 – Physical & Chemical Properties

Physical Form:	Liquid
Appearance and Odor:	Black with petroleum odor
pH:	Not available
Boiling point: F (C):	>350 (>177)
Freezing point;F (C):	Not Determined
Vapor pressure (mm Hg)	<10
Vapor Density (AIR=1):	4.8
Solubility in water:	Slight
Specific gravity (water=1):	1.01
Evaporation rate (ether = 1):	36
Percent volatiles – volume:	50-60%
Percent solids – weight:	53 - 56
Volatile organic compounds:	3.87 lb./gal. (minus water), 442 G/L

## Section 10 – Stability & Reactivity Data

Chemical stability:	Yes
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Oxides of carbon, nitrogen and sulfur
Hazardous polymerization:	Will not occur

## Section 11 - Toxicology Information

Petroleum Distillates:	LD50, Oral-Rat,>5GM/KG LC50, 4 Hour-Rat,>5500 MG/M3
Oxidized Asphalt:	LD50, Not available LC50, Not available

## Section 12 – Ecological Information

Ecotoxicity – This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems.

Environmental Fate: This material may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

## Section 13 – Disposal Considerations

Hazard characteristic and regulatory waste classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper handling and disposition for disposal according to local, state and federal regulations. (40 CFR 260 through 271)

## Section 14 – Transport Information (49 CFR 172.101)

For Industrial / Professional Use Only – Keep out of reach of Children

U. S. and Canada ground freight...combustible liquid, N.O.S. (Stoddard solvent), NA 1993, PGIII, No label required. NFMCM#50315

Airfreight and International ocean...petroleum distillates, N.O.S. (Stoddard solvent) 3, UN 1268, PGIII, Flammable 3 label required.  
IMDG 3375

## Section 15 – Regulatory Information

TSCA: All components are on the TSCA inventory.

Sara Title III, Section 313. This product contains (or is) a toxic chemical for routine annual toxic chemical release reporting under Section 313: No, None

Sara Title III, Sections 311 and 312. This product contains a chemical substance (s) that is considered, under applicable definitions, to meet the following categories: a fire hazard.

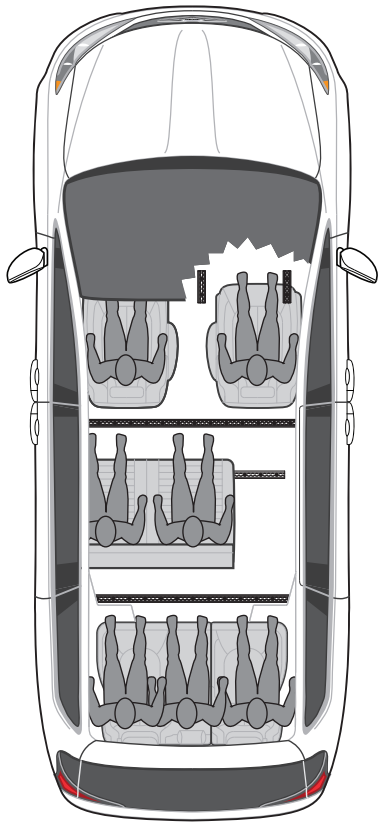
## Section 16 – Other Information

Creation date:	8-07-07
Supersedes:	5-28-07
Reason for revision	Data Update

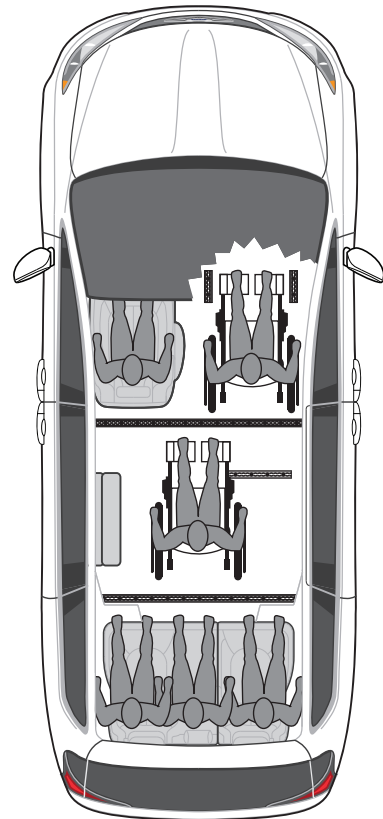
### Additional Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.

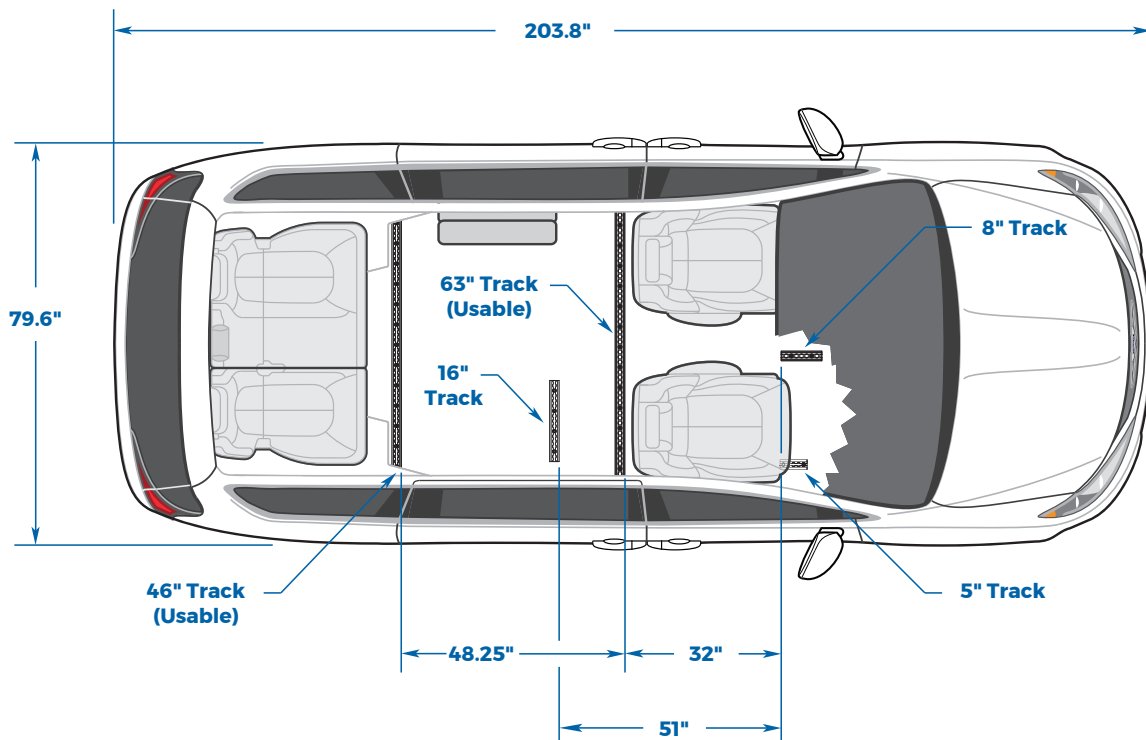
Seating Positions



Possible Wheelchair Seating Positions

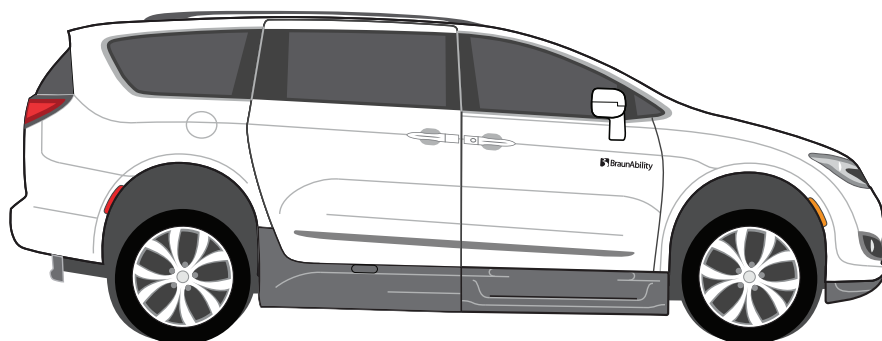


## Mobility Aid Track Mounting Dimensions

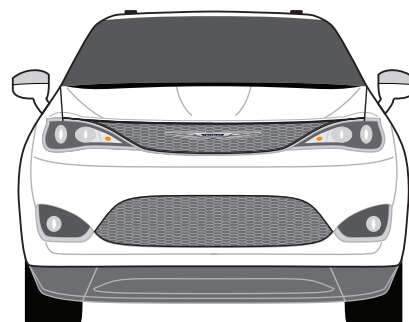


Notes: All Dimensions are Approximate.

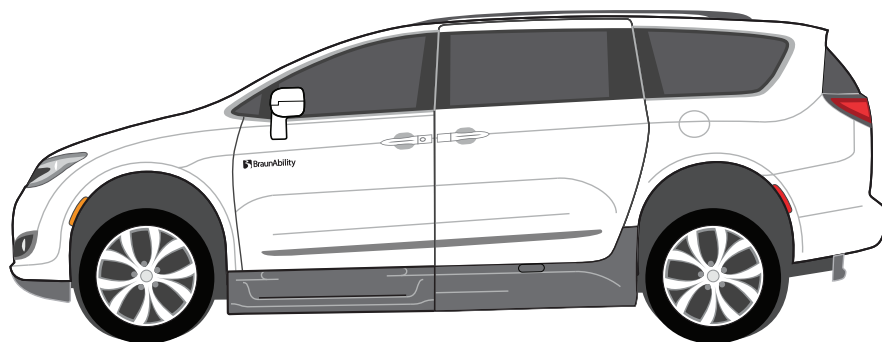
RU Voyager ADA SE 2020 DIM01.ai



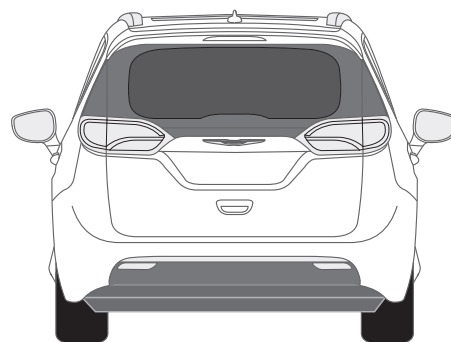
**Passenger**



**Front**







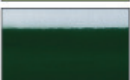
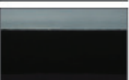






**Driver**








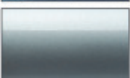
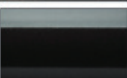



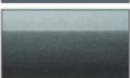


**Rear**

Gloss

Burgundy		Yellow		Cloudy Blue		White	
Carmine Red		Ambulance Yellow		Smoky Blue		Grey	
Cardinal Red		Light Pistachio		Light Blue		Dark Grey	
Red		Lime Green		Intense Blue		Rock Grey	
Soft Red		Dark Green		Blue		Black	
Orange		Sea Breeze Blue		Dark Blue		Obsidian Black	
Dark Yellow		Aqua Blue		Indigo Blue			

Gloss Metallic

Spark		Dark Blue		Brown	
Sand Sparkle		Magnetic Burst		Eclipse	
Gold		Silver		Black	
Radioactive		Quick Silver			
Bright Blue		Grey			

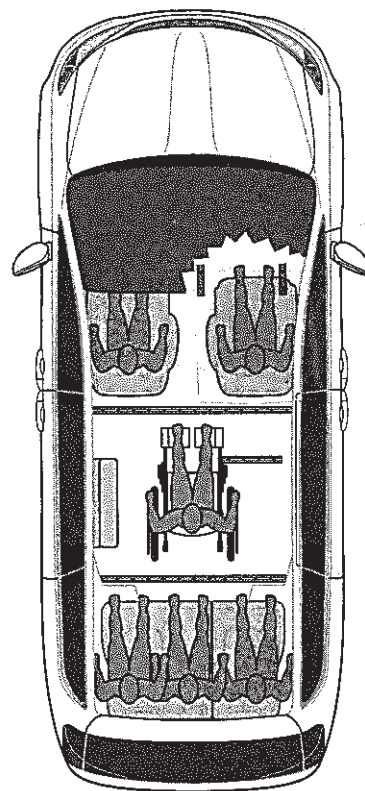
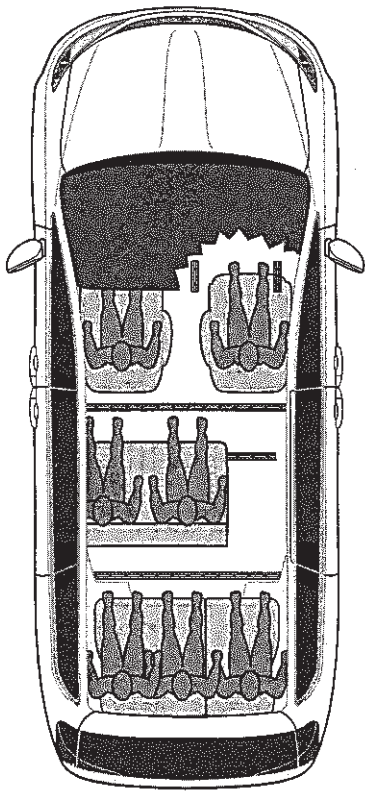


## DESCRIPTION

Backing			NT
Thickness	ISO 24 346	mm	2.25 ± 0.15
Weight	ISO 23 997	kg/m <sup>2</sup>	2.20 ± 0.15
Roll width		cm	200 (-0 +1)
Roll length		lm	24

## PERFORMANCE

Dimensional stability	ISO 23 999 ASTM D 1204	%	≤ 0.2
Abrasion resistance	TABER ISO 9352	mg	300 ± 50
Slip resistance	DIN 51130		R10
Indentation test	ISO 24 343-1	mm	≤ 0.2
Low temperature resistance	D 42 1235 A	°C	- 20
Phonic insulation	ISO 717/2	dB	ΔI = 5
Colour fastness	ISO 105 B02 ISO 4582/80 ASTM D 4459		≥ 7
Fire resistance	ISO 3795/76	mm/mn	0
	FMVSS 302		Conform
	ASTM E648	W/cm <sup>2</sup>	(CRF) > 0.50
	95/28/CE		Conform
	R118		Conform
Resistance to chemicals	ISO 26 987	-	Unaffected by diluted acids and bases Unaffected by domestic products (excluding solvents for plasticized PVC)



New design  
saves up to  
2" of aisle  
space!\*

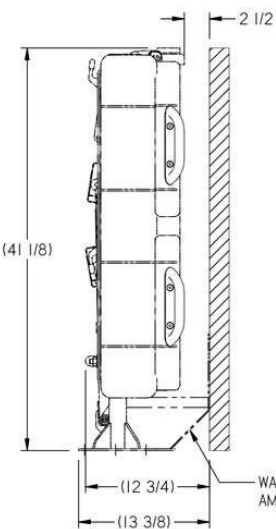
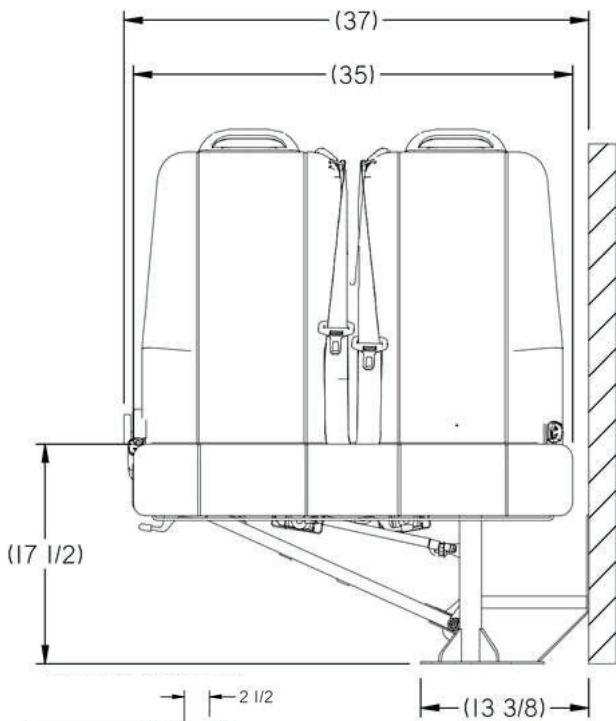
# GO-ES *SPACESAVER* FOLDAWAY

COMMERCIAL BUS / VAN

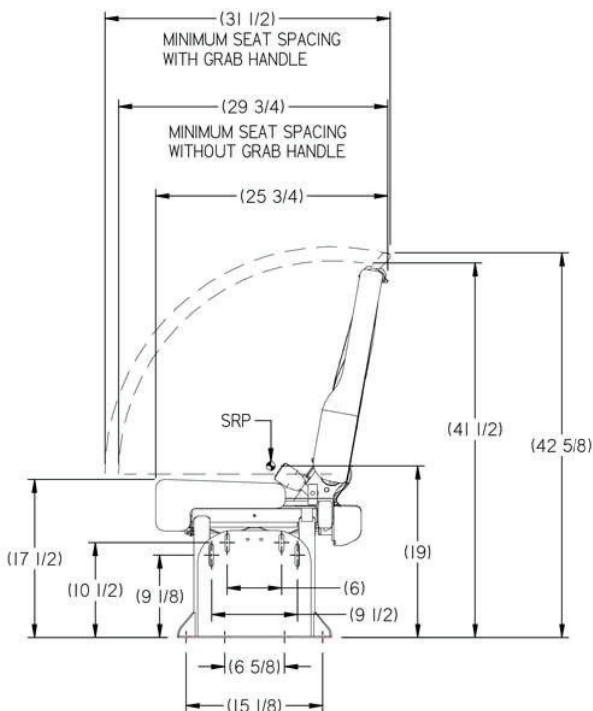
The newly redesigned GO-ES SpaceSaver Foldaway is the slimmest, lightest, and most customizable 3-point foldaway seat on the market. The upgraded SpaceSaver design provides even more aisle space when the seat is in both stowed or deployed positions. Meets FMVSS 207/210.







**Add up to 2" of aisle space when seat is deployed or stowed!\***



\*Actual space saving measurements may vary.

The redesigned SpaceSaver Foldaway requires no new testing and uses the same BV floor plate and AM2 wall/floor plate for easy installation.

## features & benefits

- Notch back design – added comfort and easier seat belt operation
- Bench style bottom cushion – added passenger comfort with Flex-O-Later suspension
- Mid-Hi back – optimize floor plans and passenger capacity
- 3-point seat belts – added passenger safety and recommended by NHTSA
- Recliner lever / 2-step dump mechanism – additional recline for improved passenger comfort
- Carpet back and side – improved floor plan spacing, prolonged life of cover
- Uses the same bolt pattern as the previous GO-ES Foldaway - easy to upgrade in the field for increased aisle/ADA width on your existing buses/vans/fleets

## options

- CRS Hooks
- TDSS
- FTA Foam
- US Armrest (aisle side only)
- SeatLink™ safety technology
- BV mount – All bolts to the floor
- AM mount – Bolts to the floor and wall track or rail
- Variety of upholstery, antimicrobial vinyl and fabric



PPE available through FMS Seating. Contact Jay Schooler at (574) 542-2001.

**SEATLINK**



**FREEDMAN**  
SEATING COMPANY

4545 W. Augusta Blvd.  
Chicago, IL 60651  
(773) 524-2440 | (800) 443-4540  
info@freedmanseating.com



Freedman Seating is committed to lessening our impact on the planet. For your convenience, materials are now available online to download at [www.freedmanseating.com](http://www.freedmanseating.com).



We are constantly updating and improving our seats; therefore we reserve the right to change or modify specifications or materials without notice. All Freedman Seating Company seats meet or exceed FMVS standards

# **FEDERAL TRANSIT BUS TEST**

**Performed for the Federal Transit Administration U.S. DOT  
In accordance with 49 CFR, Part 665**

**Manufacturer: BraunAbility / The Braun Corporation**

**Model: Chrysler Pacifica / Voyager Commercial  
Wheelchair Accessible Vehicle  
w/ Side-Entry Manual Foldout Ramp**

**Tested in Service-Life Category  
4 Year / 100,000 Miles**

**November 2020**

**Report Number: LTI-BT-R2020-03**

**The Thomas D. Larson  
Pennsylvania Transportation Institute  
201 Transportation Research Building  
The Pennsylvania State University  
University Park, PA 16802  
(814) 865-1891**

**Bus Testing and Research Center  
2237 Plank Road  
Duncansville, PA 16635  
(814) 695-3404**



**PennState**  
College of Engineering

**LTI BUS RESEARCH  
AND TESTING CENTER**

# FEDERAL TRANSIT BUS TEST

Performed for the Federal Transit Administration, U.S. DOT  
1200 New Jersey Avenue, SE  
Washington, DC 20590

In accordance with 49 CFR Part, 665

Manufacturer: BraunAbility / The Braun Corporation  
Manufacturer's address: 631 W. 11<sup>th</sup> Street  
Winamac, IN 46996

Model: Chrysler Pacifica / Voyager Commercial  
Wheelchair Accessible Vehicle w/Side-Entry  
Manual Foldout Ramp

Tested in Service-Life Category  
4 Year / 100,000 Miles

Report Number: LTI-BT-R2020-03



*David Klinikowski*

Quality Authorization

Director, Bus Research  
and Testing Center

Title

November 20th 2020

Date

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## EXECUTIVE SUMMARY

### TEST HIGHLIGHTS

The information in this report pertains only to this specific bus, as received from the manufacturer for testing.

The Check-In section of the report provides a description of the bus and specifies its major components. The following table gives the salient specifications.

<b>Manufacturer</b>	BraunAbility / The Braun Corporation
<b>Model</b>	Chrysler Pacifica / Voyager Commercial Wheelchair Accessible Vehicle w/Side-Entry Manual Foldout Ramp
<b>Chassis Make/Model</b>	Chrysler Pacifica / Voyager
<b>Chassis Modified</b>	Yes
<b>Length</b>	16 feet, 8 ½ inches
<b>Fuel</b>	Gasoline
<b>Service Life</b>	4 Years / 100,000 miles
<b>Number of Seats (including driver)</b>	5 and 1 wheelchair
<b>Manufacturer-Designated Standing Passenger Capacity</b>	No standing passengers
<b>Gross Vehicle Weight used for testing</b>	5,830 lb.
<b>Gross Vehicle Weight Rating</b>	6,055 lb.
<b>Mileage at Delivery</b>	37
<b>Test Start Date</b>	March 19, 2020
<b>Test Completion Date</b>	October 07, 2020

The measured curb weight was 2,520 lb. for the front axle and 1,940 lb. for the rear axle. These combined weights provided a total measured curb weight of 4,460 lb. There are 5 seats including the driver and one wheelchair position. Since this vehicle is a minivan, it is not possible to accommodate standing passengers. Therefore, the gross load represents seated passengers only, for a total of 6 passengers. Gross load is calculated as  $(150 \text{ lb.} \times 5) + (600 \text{ lb.} \times 1) = 1,350 \text{ lb.}$  At full declared capacity, the measured gross vehicle weight was 5,830 lb.

### BUS TESTING BACKGROUND

On August 1, 2016, FTA announced a final rule for bus testing for improving the process of ensuring the safety and reliability of new transit buses. The rule satisfies requirements in MAP-21 to establish minimum performance standards, a standardized scoring system, and a pass-fail threshold based on the score.

FTA's Bus Testing Program (often referred to as "Altoona Testing" due to the location of the main testing center) tests new transit bus models for:

- Maintainability
- Reliability



- Safety
- Performance (including Braking Performance)
- Structural Integrity (including Structural Durability)
- Fuel Economy (Energy Efficiency and Range, for electric buses)
- Noise
- Emissions

Bus models that fail to meet one or more minimum performance standards will “fail” their test and thus be ineligible for purchase with FTA funds until the failures are resolved and validated through further testing. FTA will use this authority to make sure defects are corrected before a bus model can be acquired with FTA funding.

In each application to FTA for the purchase or lease of any new bus model, or any bus model with a major change in configuration or components to be acquired or leased with funds obligated by the FTA, the recipient shall certify that it has received the appropriate full Bus Testing Report and any applicable partial testing report(s) before final acceptance of the first vehicle. In dealing with a bus manufacturer or dealer, the recipient shall be responsible for determining whether a vehicle to be acquired requires full testing or partial testing or has already satisfied the requirements of this part. A bus manufacturer or recipient may request guidance from FTA in making these determinations.

The purpose of the testing is intended set a “Pass/Fail” standard and grade the performance of the buses in order to provide performance information to the transit authorities that can be used in their purchase or lease decisions. The intent of this report is to provide the grantee a relative measure of the performance of a particular model of transit bus against a standard of performance. The passing of this test should ensure a vehicle has a high probability of meeting its service life in the category it was tested.

The data included in this test report and other applicable reports should be reviewed to choose the most suitable bus for a grantee’s operation. A higher scoring bus is not necessarily the best bus for a given application. For example, a bus with a powerful engine may score well because of its performance and gradeability, but another bus with a smaller and more fuel-efficient engine could be a better choice for applications in mostly flat areas. It is the responsibility of the grantee to ensure the proper test report or applicable partial report is in their possession and has been thoroughly reviewed.

The score sheet for the subject vehicle of this test report is provided below. **This bus passed the Altoona test, with an aggregate score of 92.5.**

# QRT<sup>®</sup>-1 SERIES



**MAX / DELUXE / STANDARD**  
4-POINT SECUREMENT  
WHEELCHAIR RETRACTORS



# QRT<sup>®</sup>-1 SERIES

## The Securement System That Changed Everything

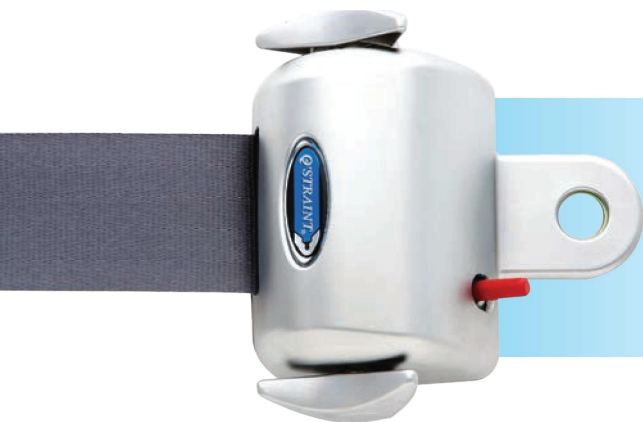
The original 4-point wheelchair securement system, QRT-1 Series retractors defined the way passenger safety devices are designed and tested.

With a range of 3 different options to fit every need and every budget, the QRT-1 Series of retractors offer easy to use, effective 4-Point securement of wheelchairs for virtually any vehicle application.



### QRT MAX

FULLY AUTOMATIC, premium knobless retractor that allows for one-handed operation.



### QRT DELUXE

SELF-LOCKING & SELF-TENSIONING retractor with ergonomic housing and dual tensioning knobs.



### QRT STANDARD

SEMI-AUTOMATIC retractor that meets all industry standards and specifications.





More than 30 years ago, Q'STRAIT introduced the world's first fully integrated 4-Point wheelchair passenger securement system, now an industry standard the world over.

**The QRT line of retractors are the linchpin of that system.**



Every QRT retractor is fully ADA complaint, and meets or exceeds all standards and regulations, including:

- SAE J2249, ISO 10542,
- FMVSS 209, 302, 210, 222
- CMVSS 209
- CSA Z605
- and 30mph/20g crash testing

## Anchorage Options

All QRT-1 Series Retractors are compatible with L-Track, L-Pockets and Slide 'N Click anchorages, or may be directly mounted to vehicle floors, seat legs or barriers.



### L-TRACK / L-POCKETS

For kits that use L-Track or L-Pocket anchorages, QRT Series retractors feature our patented Positive Lock Indicator (PLI) that clearly indicates when the fitting is locked in the anchorage.

### SLIDE 'N CLICK

For kits that include Slide 'N Click anchorages, QRT Series retractors feature a single-bolt SNC assembly and plunger that allows a full 360° rotation, eliminating anchorage alignment guesswork.

## QRT-1 SERIES FEATURES COMPARISON

	MAX	DLX	STD	
<b>Knobless, One-Handed Operation.</b> No knobs to interfere with wheels and footrests.	●			
<b>Dual Tensioning Knobs.</b> Provides additional tensioning if needed.		●		
<b>Single Tensioning Knob.</b> Provides additional tensioning if needed.			●	
<b>Automatic, Self-Locking.</b> Allows easy, one-handed hook-up.	●	●		
<b>Self-Tensioning.</b> Retractors automatically take up 'slack'.	●	●		
<b>Positive Lock Indicator.</b> Patented feature clearly indicates when fitting is locked in anchorage.	●	●	●	
<b>Interchangeable.</b> Eliminates confusion: no right, left, front or rear locations.	●	●	●	
<b>Low Profile &amp; Compact.</b> Elimination of mounting bracket allows retractors to fit under most footrests.	●	●	●	
<b>Accommodates Larger Wheelchairs.</b> Reduced overall length leaves more room for wheelchairs.	●	●		
<b>Ultra-Durable.</b> Hardened steel and coated zinc for maximum corrosion resistance.	●	●	●	
<b>Universal Design.</b> Accommodates virtually all wheelchair designs, including scooters.	●	●	●	
<b>J-Hook.</b> Reduces twisting of belts and ensures proper securement for all wheelchair designs.	●	●	●	
<b>Foot Release Lever.</b> Easy release eliminates the stress of bending down.	●	●	●	



[WWW.QSTRAINT.COM/QRT-1-SERIES](http://WWW.QSTRAINT.COM/QRT-1-SERIES)

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**Q'STRAIT EUROPE**

72-76 John Wilson Business Park  
Whitstable, Kent, CT5 3QT  
United Kingdom  
Tel: +44 (0)1227 773035  
Fax: +44 (0)1227 770035  
Email: [info@qstraint.co.uk](mailto:info@qstraint.co.uk)

**Q'STRAIT AMERICA**

4031 NE 12th Terrace  
Oakland Park, FL 33334  
Tel: 800-987-9987  
Fax: 954-986-0021  
Email: [qstraint@qstraint.com](mailto:qstraint@qstraint.com)

**Q'STRAIT AUSTRALIA**

Tramanco Pty Ltd.  
21 Shoebury Street,  
Rocklea, Australia, QLD. 4106  
Tel: +61 7 3892 2311  
Fax: +61 7 3892 1819  
Email: [info@tramanco.com.au](mailto:info@tramanco.com.au)

# LIMITED WARRANTY

Q'STRAIT provides limited warranty coverage on Q'STRAIT products (the "Products") as described in this Limited Warranty. For customers in the U.S.: this warranty gives you specific legal rights; you also may have other rights, which vary from state to state. For customers in the European Union: the purchaser may have additional legal rights under applicable national legislation governing the sale of consumer goods, and those rights (if applicable) are not affected by this warranty.

## COVERED PRODUCTS AND LIMITATIONS:

**Q'STRAIT's limited warranty coverage applies only to factory defects in materials and workmanship in the Products as follows:**

- **QUANTUM** – 3 years\* or 10,000 cycles.
- **Q'POD, QRT-3 Series, QRT-5 Series** – 5 years\* limited warranty coverage.
- **QRT Max, QRT Deluxe, QLK-150, Q'UBE** – 3 years\* limited warranty coverage.
- **QRT Standard, Q-5000, M-Series, QLK-110, INQLINE, INQLINE Loader** – 2 years\* limited warranty coverage.
- **All other Products** – 1 year limited warranty coverage.

**\*Only valid if product is registered with Q'STRAIT.** Otherwise a 1 year limited warranty applies to all products.

Each of the warranty coverage periods runs from the date the Products are shipped from Q'STRAIT, and applies only to warranted defects that first manifest themselves and are reported to Q'STRAIT within the applicable warranty period. Q'STRAIT retains the right to determine to its reasonable satisfaction whether any claimed defect is covered by this warranty.

**CERTAIN ITEMS ARE EXCLUDED FROM WARRANTY COVERAGE BY Q'STRAIT, AND THIS LIMITED WARRANTY COVERAGE DOES NOT APPLY TO:**

1. Products which are not installed and maintained in accordance with Q'STRAIT's instructions.
2. Products which are subject to misuse, abuse, accident, negligence, or exposure to the elements or chemicals.
3. Products which are altered or not repaired by a Q'STRAIT authorized repair service.
4. Normal wear and tear, and routine maintenance.
5. Products which are not used in applications or in a manner approved by Q'STRAIT.

**ALL STATUTORY OR IMPLIED WARRANTIES (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), CONDITIONS AND GUARANTIES ARE EXCLUDED AND DISCLAIMED TO THE FULLEST EXTENT ALLOWED BY LAW. If any implied warranties, conditions or guarantees are required under applicable law, they are limited to the minimum duration allowed by law (not longer than the duration of the applicable express limited warranty coverage). For customers in the U.S.: some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.**

## **REMEDIES UNDER THIS LIMITED WARRANTY**

If a defect covered by this warranty occurs, Q'STRAIT (or one of its authorized dealers, as determined by Q'STRAIT) will repair or replace the defective Products, in its sole discretion. This "repair or replacement" remedy is the **exclusive remedy** under this warranty. Q'STRAIT has **no responsibility or liability for any incidental or consequential damages**, such as loss of use, interest or finance charges, the cost of repairs by unauthorized repair services, depreciation, etc., all of which are specifically **excluded and disclaimed** from this warranty. For customers in the U.S.: some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

## **RESPONSIBILITY OF PURCHASER**

1. Any claims under this limited warranty must be made to Q'STRAIT within fifteen (15) days after the defect first arises.

2. The Products must be returned to Q'STRAIT (or its authorized repair facility, as determined by Q'STRAIT) within the warranty period for inspection and warranty service. The expense of disassembly, returning the Products for warranty service, and of returning the Products to the owner and reassembly after any warranty service has been completed, is the responsibility of the owner and will not be reimbursed by Q'STRAIT. Contact Q'STRAIT Customer Service for information on how to return Products.
3. If your Product includes a registration form it must be returned to Q'STRAIT within thirty (30) days after the Products are delivered to the purchaser.

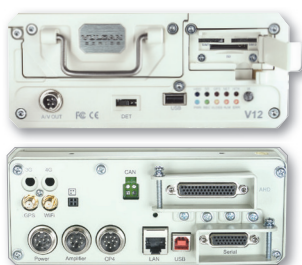
*Q'STRAIT reserves the right to improve its products through changes in design or materials without being obligated to the owners of other Products.*

Q'STRAIT may be contacted at **800-987-9987** or via email at [customersatisfaction@qstraint.com](mailto:customersatisfaction@qstraint.com).



# V12MDVR

12-Channel Vulcan™ Series HD/IP Mobile DVR



## V12

- » 8 channels D1, WD1, 720P, or up to 1080P + 4 channels IP up to 1080P
- » (1) 1TB SATA hard drive
- » SD card slot for redundant recording
- » Power connections for auxiliary systems such as public address, signage and OBD



**12CH**  
HD/IP SYSTEM

**1TB**  
STORAGE

**Wi-Fi**  
MODULE

**5-YEAR**  
WARRANTY



## « TOTAL CONTROL

Diagnose and operate the V12 with the optional Vulcan CP4 Touchscreen Backing and Firmware Control Monitor. Using the monitor's 7-inch touchscreen display, with customized password protection, the user can view and update the MDVR's firmware and other settings and view recorded video. When the monitor is in live view mode, the user can select the number of channels

displayed, depending on the number of cameras installed on the vehicle. In backing mode the monitor displays a live view of the vehicle's reverse camera, if applicable. This versatile tool also integrates SMS and voice broadcast to make calls, IP connections and two-way audio broadcasts.

## TOTAL EASE OF USE »

Video playback and archiving are simple with FlexPlay Pro 8™ software. With minimal clicks to login and view video recorded last, this user friendly tool also features an easy-navigation timeline and trouble-free archiving. FlexPlay Pro 8 is included with the purchase of every Vulcan MDVR.



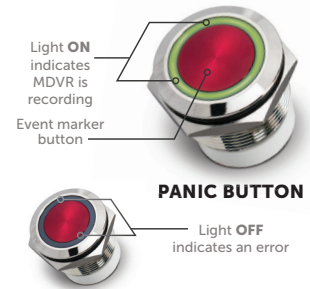
High-Definition Mobile Video Surveillance Solutions

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[angeltrax.com](http://angeltrax.com)  
800.673.1788

## DRIVER-OPERATED PANIC BUTTON

Alerts, triggered by the driver-operated panic button or one of eight configurable alarms, automatically mark video for supervisor review during playback. The panic button, included with every Vulcan Series MDVR and installed within easy reach on the driver's console, is an inconspicuous tool the driver can use to mark the video at the time and date of an incident occurring on the vehicle. The panic button also functions as a remote status indicator for the MDVR. A solid green LED indicates the unit has power and is recording without using a video monitor.



## WARRANTY

We stand behind the Vulcan Series V12 Mobile DVR by offering a five-year parts and labor warranty that is unmatched in the industry, and from first contact to warranty fulfillment, AngelTrax provides unparalleled customer service and support.

## ANGELTRAX SUPPORT

Reliable and efficient, our specialized team of engineers and technicians resolve most product issues during the initial phone call or email conversation. All customer service is conducted by AngelTrax and not outsourced to a third party.

CUSTOMER  
SERVICE



PRODUCT  
TRAINING



TECHNICAL  
SUPPORT



## TOTAL CAMERA COVERAGE

AngelTrax offers a full range of interior and exterior cameras designed to capture vivid video near or far.

### COMPATIBLE VULCAN™ SERIES CAMERAS



HD-V Series  
Interior/Exterior  
1080P



IP4000VL  
IP4000VR  
Exterior  
720P



HD21-720P  
HD25-720P  
Interior/Exterior  
720P



HDCOPILOTCAM  
Windshield  
1080P



MHD Series  
Interior  
720P



HDWS3600  
Windshield  
1080P



IPC Series  
Interior/Exterior  
1080P



HDL5MP Series  
Stop Arm Cameras  
1080P



IP-V Series  
Interior  
1080P

## PRO 8 CMS™

Increase your reach and upgrade FlexPlay Pro 8 playback software to Pro 8 Central Management System™ to expand your capabilities exponentially.



### PRO8CMS FEATURES:

- » Monitor every move
- » Real-time surveillance and alerts
- » Access via Wi-Fi or cellular connection
- » Live view and live tracking for all wirelessly connected Vulcan systems
- » System health alerts and panic button alerts sent automatically via text or email
- » Total control over your data
- » Comprehensive fleet reports
- » Entire fleet history at your fingertips
- » Enhanced playback controls
- » Total ease of use and navigation






High-Definition Mobile Video Surveillance Solutions








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QUOTED PRODUCTS			
MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
<p>AngelTrax VULCANV12 Mobile Digital Video Recording System (System Contents and Product Descriptions Listed Below)</p>	1	\$2,260.51	\$2,260.51
 <p><b>VULCANV12</b>  Vulcan Series 12 Channel HD/IP Mobile Digital Video Recorder  • 12 Channels with 8 Channels D1, WD1, 720P, or up to 1080P + 4 Channels IP up to 1080P  • 1TB Platter Hard Drive  • Built-in Wi-Fi Module  • Built-in G-Force Sensor  • Vandal-Resistant Locking Front Cover  • Panic Button  • H.264 Compression</p>	1		
 <p><b>SD64GB</b>  64GB SD Solid-State Memory Card</p> <p>We recommend the use of storage media provided only by AngelTrax for our recording devices. AngelTrax hard drives and SD cards are optimized for around-the-clock video surveillance and are designed to withstand extreme temperatures. Standard hard drives and SD cards purchased through consumer resellers are not made for surveillance devices and have been known to stop functioning at any time without warning, causing a loss of video.</p>	1		
 <p><b>VULPBH</b>  Vulcan Series Panic Button Housing  PC color</p>	1		

QUOTED PRODUCTS

MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
 <p><b>HDCOPILOTCAM</b> High-Definition 2.1mm 1080P Dual Windshield Camera  <ul style="list-style-type: none"> <li>• 2.1mm Lens (Each Camera)</li> <li>• Windshield Mounted</li> <li>• 125-Degree Wide-Angle View of Vehicle Interior and Through Windshield</li> <li>• 1080P HD</li> <li>• Recorded in 2.12MP Resolution</li> <li>• Noise-Gated Microphone</li> <li>• Vandal-Resistant Casing</li> <li>• Scratch-Resistant, Anti-Glare Glass Lens Cover</li> <li>• Infrared (Interior Camera Only)</li> </ul> </p>	1		
 <p><b>HD1700V</b> (4) Vulcan Series Anvil 170-Degree HD 1080P Low Profile Camera - Rear, Driver, Midship, Midship Backing camera  <ul style="list-style-type: none"> <li>• 1.7mm Lens with 360-Degree Articulating Lens Casing for Image Orientation</li> <li>• IP68 Rated Waterproof Interior/Exterior Camera</li> <li>• 1080P HD</li> <li>• 2.12 Megapixels</li> <li>• Noise-Gated Microphone</li> <li>• Vandal-Resistant Casing</li> <li>• Scratch-Resistant, Anti-Glare Glass Lens Cover</li> <li>• Infrared</li> </ul> </p>	4		
 <p><b>HD4CBL</b> 13.12 ft. HD Camera Cable</p>	1		
 <p><b>HD9CBL</b> (2) 29.53 ft. HD Camera Cable</p>	2		
 <p><b>HD12CBL</b> 39.37 ft. HD Camera Cable</p>	1		
 <p><b>GPSV1</b> Vulcan Series Passive GPS Antenna  <ul style="list-style-type: none"> <li>• Compatible with Vulcan Series V5SD, V5 and V12 MDVRs</li> <li>• Compatible with Vulcan Series V8HC, V12HC and V16HC MNVRs</li> </ul> </p>	1		
 <p><b>V12SECKEY</b> Security Key USB 3.0 for Vulcan V12 MDVR</p>	1	\$0.00	\$0.00
<p><b>CONT3RD</b> Installation not included. Installation to be performed by Dealer or End User as specified by Dealer.</p>	2	\$0.00	\$0.00

# *Service Manual*

## Side-Entry Manual Foldout built on the Chrysler Voyager



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

Phone: 1-574-946-4139 • 1-800-THE-LIFT® • [www.braunability.com](http://www.braunability.com)™

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# INTRODUCTION

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## Introduction

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

Safety precautions, maintenance and troubleshooting details are provided. Wiring diagrams are provided to aid in troubleshooting. A Replacement Parts section with exploded views and corresponding parts lists is also provided.

### Warranty and Return Authorization

Refer to the Limited Warranty Booklet for detailed terms and provisions. When processing any warranty claims (parts, repairs, etc.), all requests must be processed through the BraunAbility® Aftersales department. A Return Material Authorization (RMA) number will be issued for processing returns and/or authorizing credit.

The last eight digits of the vehicle identification number (VIN) must be provided when filing a warranty claim or ordering parts.

### WARNING

**Maintenance, lubrication, troubleshooting and service procedures must be performed as specified by an authorized service technician. Failure to do so may result in serious bodily injury and/or property damage.**






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# SAFETY PRECAUTIONS

## Safety Precautions

### WARNING

Read this manual, maintenance booklet, operator's manual and supplements before performing operation, maintenance or service procedures. Failure to do so may result in serious bodily injury and/or property damage.

-  **WARNING** Maintenance and service procedures must be performed only by authorized service personnel.
-  **WARNING** Perform maintenance and lubrication procedures exactly as outlined in the Maintenance and Lubrication Schedule contained in this manual.
-  **WARNING** Perform troubleshooting and service procedures as outlined in this manual and/or service bulletins supplied with replacement parts.
-  **WARNING** Replacement parts must be BraunAbility authorized parts.
-  **WARNING** Do not use accessory devices not authorized by BraunAbility.

-  **WARNING** Keep clear of area in which ramp operates.
-  **WARNING** Never modify (alter) a BraunAbility lowered floor wheelchair accessible vehicle.
-  **WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.



**Towing and Transporting****Towing with a Lowered Floor Vehicle**

If your vehicle is equipped with an OEM factory installed trailer tow bumper package, refer to the OEM manual for towing guidelines and precautions. Be sure to comply with critical weight limits before towing. Aftermarket trailer tow packages are 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**

### Maintenance

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.

#### Side Entry Vehicles

**Foldout and Infloor Ramps:** Keep the passenger side slide door lower track pan free of debris, ice and snow. Smooth unobstructed slide door operation is crucial for dependable door and ramp functions.

**Infloor Ramp:** Keep the infloor ramp and ramp cassette area clean as well as the door track. Dirt, mud, snow, ice and other debris entering the cassette can result in potential ramp problems.

Pay close attention to the wheelchair accessible power door, kneel and ramp functions (as equipped). Inspect wheelchair tiedowns, occupant restraint belts and associated hardware.

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 following maintenance schedule and dealer scheduled maintenance in the Maintenance Guidelines and Service Log Booklet.



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

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 maintenance booklet. Failure to do so may result in serious bodily injury and/or property damage.**

**Maintenance****Maintenance and Service Log**

Keep a record of scheduled maintenance and service. Document date, mileage and description of maintenance or service procedures performed in the maintenance and service log booklet. Recording this information provides verification that maintenance has been performed as scheduled. Failure to do so may void your BraunAbility® mobility warranty.

Maintenance procedures will vary according to the specific lowered floor and ramp configuration. Maintenance intervals may vary according to frequency of use and conditions. Exposure to severe conditions (weather, environment, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often.

**Maintenance and Lubrication Schedule**

General preventive maintenance cleaning and visual inspection procedures should be performed weekly. Inspection, lubrication and maintenance procedures outlined in the 5,000 mile/8,000 km/6 month and 30,000 mile/48,000 km/3 year intervals sections should be performed by an MSE certified technician to correspond with the Maintenance Guidelines and Service Log Booklet.

These intervals are a general guideline and will vary according to frequency of use and conditions. Exposure to severe conditions (weather, environment, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

Clean specified components and the surrounding area before applying lubricants. When replacing lubricated components, be sure to lubricate during installation procedures.

A “dri-film” style of light oil should be applied where Light Oil is called out (goes on wet and then dries). Lubricants of this type are available that do not attract dust and other debris.

Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to components. Avoid lubricants that can leave stains.

Discontinue use immediately if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage, improper operation or any abnormal condition. Contact your sales representative or call 1-800-488-0359. A BraunAbility Customer Care representative will direct you to an authorized service technician who will inspect your vehicle.

<b>Preventive Maintenance</b>  <b>Weekly</b>	Ramp/lowered floor seal and opening	Inspect for obstructions or debris such as dirt, mud, snow, ice, etc. and clean (wipe clean, vacuum or blow out debris using compressor).
<b>General Maintenance</b>  <b>5,000 Miles or 6 Month Intervals (8,000 km)</b>	<p>Wheelchair tiedown straps, occupant restraint belts and tie down track</p> <p>Inspect removable front passenger seat base for proper engagement of latching mechanisms</p> <p>Lower slide door track</p> <p>Center slide door track</p> <p>Inspect undercarriage and ground effects</p> <p>Inspect vehicle battery and 50 ampere fuse. Inspect center console fuse block (as needed only).mounted fuse block.</p>	<p>Inspect strap and belt assemblies frequently. Any defects such as strap/belt cuts, fraying or malfunctioning call for replacement of the entire strap/belt assembly. "L" track 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 track, discontinue use and replace components immediately</p> <p>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</p> <p>Inspect for obstructions and clean (wipe clean, vacuum or blow out debris using compressor). Inspect for wear, damage, improper operation or any abnormal condition. Correct or replace as needed</p> <p>Inspect for debris/obstructions and clean. Lubricate with light oil.</p> <p>Inspect for debris/obstructions and clean. Lubricate with light oil.</p> <p>Clean. Resecure, replace or otherwise correct as needed</p> <p>Resecure, repair or replace</p>

## MAINTENANCE

<b>Manual Ramp</b>  <b>5,000 Miles or 6 Month Intervals (8,000 km)</b>	Outboard ramp extension hinge and fasteners	Clean and lubricate with Light Oil. Resecure, replace or correct as needed
	Inspect ramp inboard pivot points (bolts/screws and bushings/bearings) for positive securement, wear or damage	Clean and lubricate with Light Oil. Resecure, replace or correct as needed
	Inspect ramp fold pickup bearing for positive securement, alignment, wear or other damage	Replace or correct as needed. If bearing retaining screw is not secure or is removed for service, apply Blue #242 Thread Locker Loctite to retaining screw and tighten.
	Inspect ramp fold arm for positive securement, alignment, wear or other damage	Resecure, replace or correct as needed
	Inspect ramp fold arm bearing slot for excessive wear or damage	Replace or correct as needed
	Inspect ramp extension chain for proper alignment, securement or other damage	Clean and lubricate with Light Oil. Realign, resecure, replace or correct as needed
<b>Manual Ramp Interior Cover Removed</b>  <b>5,000 Miles or 6 Month Intervals (8,000 km)</b>	Inspect ramp floor mounting hardware for securement (loose or missing)	Resecure, replace or correct as needed
	Top pivot (wall mounting) bracket mounting bolts for securement (loose or missing)	Resecure, replace or correct as needed
	Main (spring) housing mounting bolts for securement (loose or missing)	Resecure, replace or correct as needed
	Ramp fold arm securement (collar and mounting screws)	Resecure, replace or correct as needed
	Torsion spring securement hairpin cotter, external snap ring(s) or key (loose or missing)	Resecure, replace or correct as needed

<b>Manual Ramp Swing Out Feature</b>  <b>5,000 Miles or 6 Month Intervals (8,000 km)</b>	Inspect latch for proper operation	Clean and lubricate with Light Oil. Resecure, replace or correct as needed
	Inspect latch mounting hardware for positive securement (loose or missing mounting hardware)	Resecure, replace or correct as needed
	Inspect latch pin for positive securement, wear, misalignment, or other damage	Resecure, replace or correct as needed
	Missing or damaged ramp top pivot bracket securement cotter pin (hairpin cotter or "R" clip)	Resecure, replace or correct as needed
	Inspect top and/or bottom ramp pivot points (axles and/or bearing surfaces) for deformation, wear or other damage	Replace or correct as needed
	Bottom ramp pivot pin (axle) plastic flanged bearing damaged or missing.	Replace or correct as needed
	Inspect latch release rod for positive securement, alignment, wear, or other damage	Clean and lubricate with Light Oil. Realign, resecure, replace or correct as needed
<b>30,000 Miles or 3 Year Intervals (48,000 km)</b>	Repeat all previously listed preventative, inspection, lubrication and maintenance procedures at 5,000 Miles or 6 month intervals.	

## TROUBLESHOOTING

### Troubleshooting Diagnosis Chart

#### WARNING

**Troubleshooting and repair procedures must be performed as specified by an authorized service technician only. Failure to do so may result in serious bodily injury and/or property damage.**

Operation should be discontinued immediately if a problem occurs. Repairs should not be attempted by the consumer. Contact your sales representative or call 1-800-488-0359. A BraunAbility Customer Care representative will direct you to an authorized service technician who will inspect your vehicle.

The cause of the problem can be determined by locating the function and related symptom in

the Troubleshooting Diagnosis Chart. The specific cause and remedy can then be determined by process of elimination. Wiring diagrams are provided to aid in troubleshooting. A Repair Parts section with exploded views and corresponding parts lists is also provided.

Correct the problem if possible. If the problem continues, contact BraunAbility Customer Care at 1-800-488-0359.

FUNCTION	SYMPTOM	POSSIBLE CAUSE	REMEDY
<b>1.00 DOOR (OPEN)</b>	<b>1.10 Faulty Open Operation</b>	1.11 Misalignment, deformation, wear or other damaged to lower slide door track 1.12 Misalignment, deformation, wear or other damage to door, lower door extension, or door jamb components 1.13 Obstruction in lower door track 1.14 Mechanical binding	Realign, tighten, replace damaged parts or otherwise correct as needed Realign, tighten, replace damaged parts or otherwise correct as needed Remove obstruction Correct
	<b>1.20 Door Does Not Open Fully</b>	1.21 See 1.00 1.22 Door doesn't engage OEM full open position hold latch	Correct



FUNCTION	SYMPTOM	POSSIBLE CAUSE	REMEDY
<b>2.00 RAMP DEPLOY</b>	<b>2.10 No Deploy Operation</b>	2.11 Loose, damaged or missing fold arm securement collar/coupling and/or screws	Tighten, replace or otherwise correct as needed
	<b>2.20 Ramp Contacts Door</b>	2.21 Door not fully open	Open door or see 1.20
	<b>2.30 Faulty Deploy Operation</b>	2.31 Misalignment or damage to: • Ramp fold bearing • Ramp fold arm • Ramp fold arm bearing slot • Ramp pivot points or hinge(s) 2.32 Mechanical binding 2.33 Lack of lubrication	Realign, tighten, replace damaged parts or otherwise correct as needed  Correct Lubricate - See Maintenance and Lubrication Schedule
	<b>2.40 Faulty Ramp Extension Unfold (Deploy)</b>	2.41 Lack of lubrication  2.42 Ramp extension hinge damage	Lubricate - See Maintenance and Lubrication Schedule  Correct or replace as needed
<b>3.00 FOLDOUT RAMP STOW</b>	<b>3.10 No Stow Operation</b>	3.11 See 2.10	
	<b>3.20 Faulty Stow Operation</b>	4.21 Fold arm latch catch (support/stop) out of adjustment, loose or otherwise damaged 4.22 See 2.10, 2.30 and 2.40	Adjust tighten or otherwise correct as needed
<b>4.00 DOOR (CLOSE)</b>	<b>4.10 Faulty Operation</b>	4.11 See 1.10	
	<b>4.20 Door Does Not Close Fully</b>	4.21 See 1.10  4.22 Ramp obstructing door	Adjust ramp latch catch (support/stop) for more travel or otherwise correct as needed

## TROUBLESHOOTING

FUNCTION	SYMPTOM	POSSIBLE CAUSE	REMEDY
<b>5.00 SWING OUT RAMP SYSTEM</b> (if equipped)	<b>5.10 No Release Operation</b>	5.11 Release rod broken, disconnected or otherwise damaged 5.12 Faulty swing out ramp latch (will not disengage)	Replace, attach or otherwise correct Replace latch
	<b>5.20 Faulty Release Operation</b>	5.21 Loose, worn or otherwise damaged swing out ramp latch 5.22 Missing, loose, worn, bent, misaligned or otherwise damaged swing out ramp latch pin 5.23 Mechanical binding 5.24 Lack of lubrication	Tighten, replace or otherwise correct as needed Tighten, replace or otherwise correct as needed Correct as needed Lubricate with Light Oil
	<b>5.30 Faulty Rotation Operation</b>	5.31 Missing plastic flanged bearing (washer) at bottom pivot point (axle) 5.32 Misalignment, deformation, wear or other damage to top and/or bottom pivot points (axles and/or bearing surfaces) 5.33 Mechanical binding	Replace Correct as needed Correct as needed
	<b>5.40 No Latching Operation</b>	5.41 Faulty swing out ramp latch (will not engage) 5.42 See 5.20	Replace latch
	<b>5.50 Faulty Latching Operation</b>	5.51 See 5.20 and 5.41	
<b>6.00 NO POWER</b>	<b>6.10 No Power to Conversion Systems</b> (Circuit Problem)	6.11 Poor ground connection 6.12 Battery terminals dirty 6.13 Battery damaged 6.14 Battery discharged 6.15 12 volt source (check fuses for 12 volts)	Clean and tighten Clean and tighten Replace Charge battery Check for blown fuse, loose terminals or broken wire or cable
<b>7.00 BACKUP ALARM</b>	<b>7.10 No Operation</b>	7.11 See 6.00 7.12 Faulty alarm 7.13 Backup alarm harness disconnected or damaged	Replace alarm Connect, repair or replace

FUNCTION	SYMPTOM	POSSIBLE CAUSE	REMEDY
<b>8.00 PARK INTERLOCK</b>	<b>8.10 No Interlock Operation</b>	8.11 See 6.00 8.12 Park interlock (door jamb) switch harness disconnected or damaged 8.13 Park interlock (door jamb) switch out of adjustment or damaged	Connect, repair or replace  Adjust or replace
	<b>8.20 Can't Shift Out of Park</b>	8.21 Door not closed 8.22 See 8.12 and 8.13	Close door
<b>9.00 ENTRANCE LIGHTS</b>	<b>9.10 No ON Operation</b>	9.11 See 6.00 9.12 Door not open 9.13 Faulty light 9.14 Entrance light harness disconnected or damaged	Open door Replace Connect, repair or replace
	<b>9.20 No OFF Operation</b>	9.21 Door not closed 9.22 See 6.00 and 9.14	Close door

## BELOW FLOOR OBSTRUCTIONS

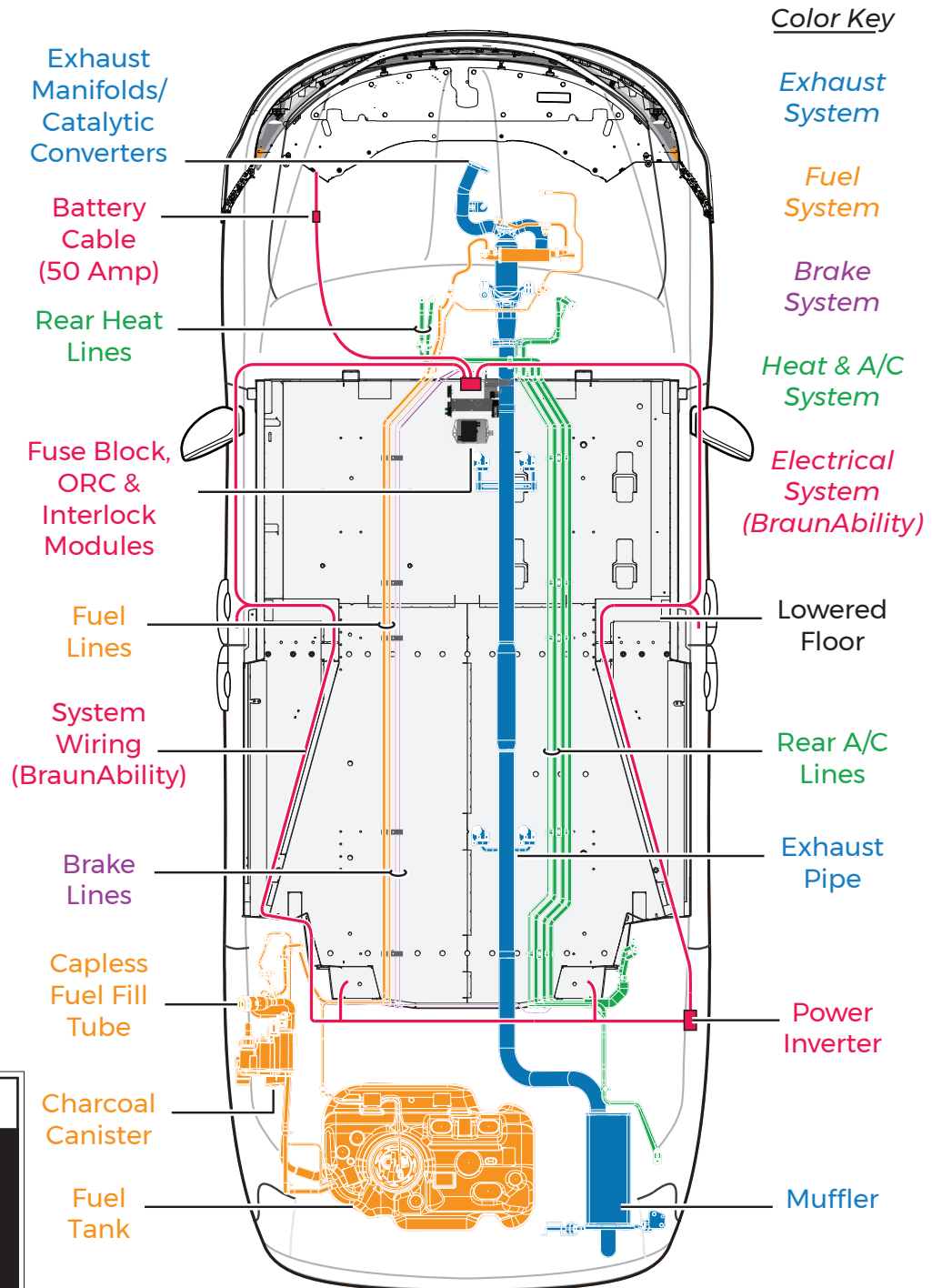
### Below Floor Obstruction Detail & Guidelines

When installing an electrical tie-down, power seat or other auxiliary device, obstructions below the floor must be avoided. Obstructions include wiring, fuel system, brake lines, etc. Installers must be aware of these obstructions.

Refer to this illustration when installing aftermarket equipment to avoid contacting or damaging vital components under the floor.

Drilling or cutting into such obstructions may result in potential hazards as well as property damage.

Note: Some wiring harnesses shown may not be present. Avoid all harness locations.



#### **⚠ WARNING**

Check for obstructions such as wires, gas lines, exhaust, etc. before drilling or cutting through floor. Failure to do so may result in serious bodily injury and/or property damage.

## Auxiliary Power Supply

### ⚠ CAUTION

**Do not connect auxiliary devices to vehicle battery. Doing so may result in damage to electrical system and/or electronic components.**

**Auxiliary Power Supply:** Do not connect auxiliary devices directly to the vehicle battery. Doing so may result in damage to electrical system and/or electronic components.

Two fuse blocks are provided as an auxiliary power source for dealer-installed auxiliary electrical device(s). Fuse block details and specifications are provided below. The fuse blocks are located at the bottom of the center console.

#### **Below Floor Obstructions:**

When installing aftermarket equipment, obstructions below the floor must be avoided. Obstructions include wiring, fuel system, brake lines, etc. Installers must be aware of these obstructions.

Refer to the illustration on previous page to avoid contacting or damaging vital components under the floor.

### ⚠ WARNING



**Risk of electrical fire! Install and electrically terminate auxiliary electrical device as specified by device manufacturer.**

## Fuse Blocks

**Fuse Blocks:** Two fuse blocks are provided for use as an auxiliary power source (one ignition fuse block and one battery fuse block).

The battery fuse block provides power at all times (independent of the vehicle ignition). The ignition fuse block supplies power only when the vehicle ignition is on.

The installer is responsible for supplying the correct gauge wire and fuse for the particular device to be attached to the fuse block (as specified by the manufacturer of the device).

**Ignition Fuse Block:** The total maximum load must not exceed 30 amperes.

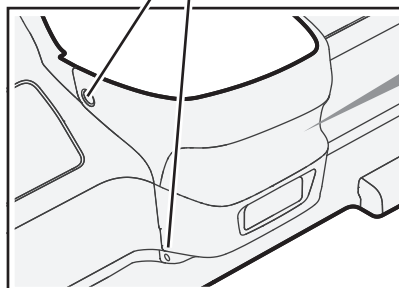
**Battery Fuse Block:** The total maximum load must not exceed 40 amperes.

**Note:** If installing an auxiliary electrical device that requires more than a 30 ampere ignition or 40 ampere battery power source, an alternative power source must be provided.

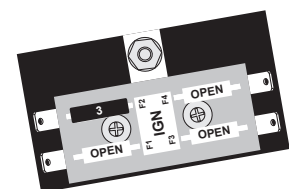
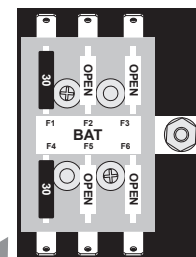
**Note:** The fuse blocks are part of an electrical assembly. Two ground studs are also provided.

**Fuse Block Access:** The fuse blocks are located at the bottom of the center console. Remove upper console panel (2) fasteners per side.

Fasteners (2) per side



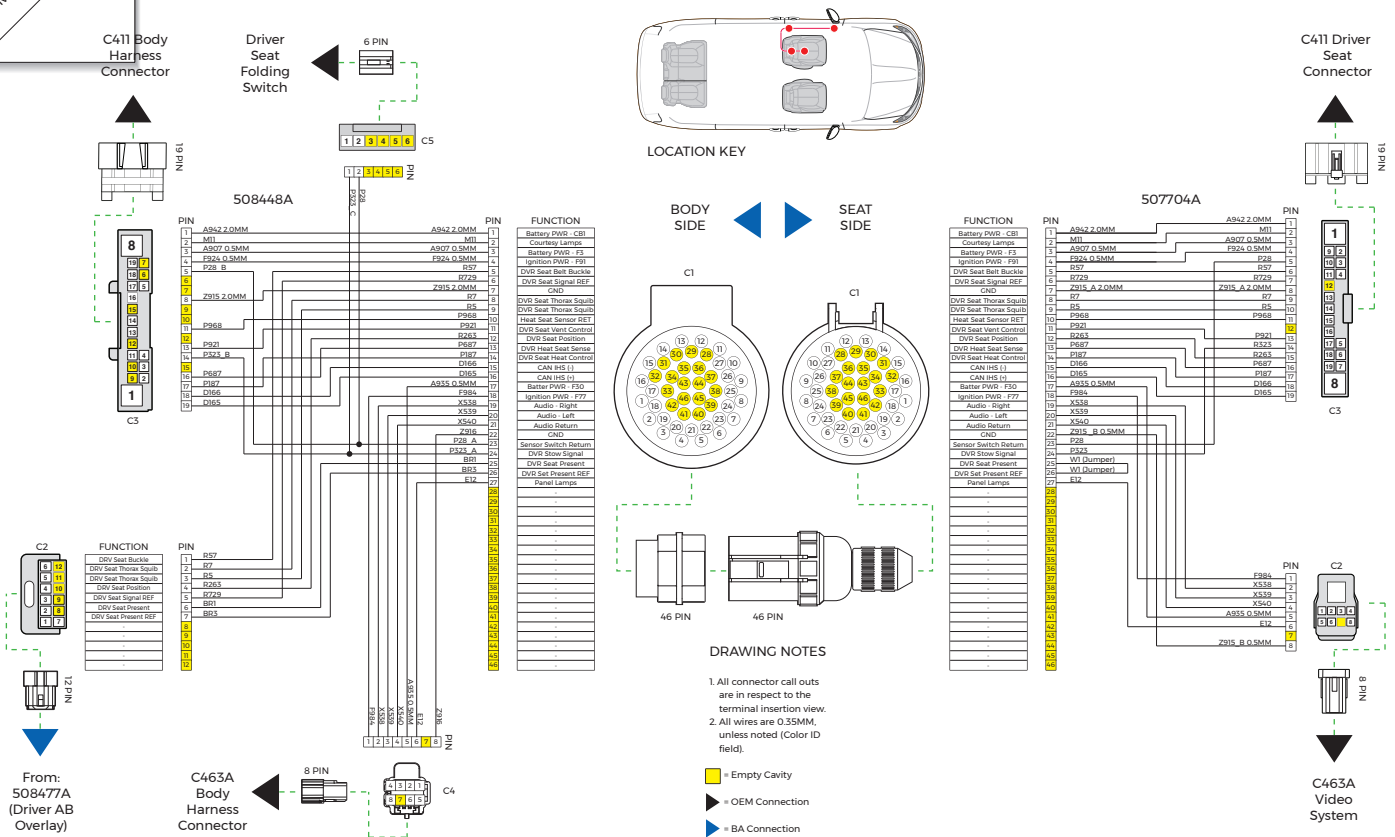
**Fuse Block Access**



**Under Dash Fuse Blocks**



## WIRING DIAGRAM - DRIVER SEAT - POWER

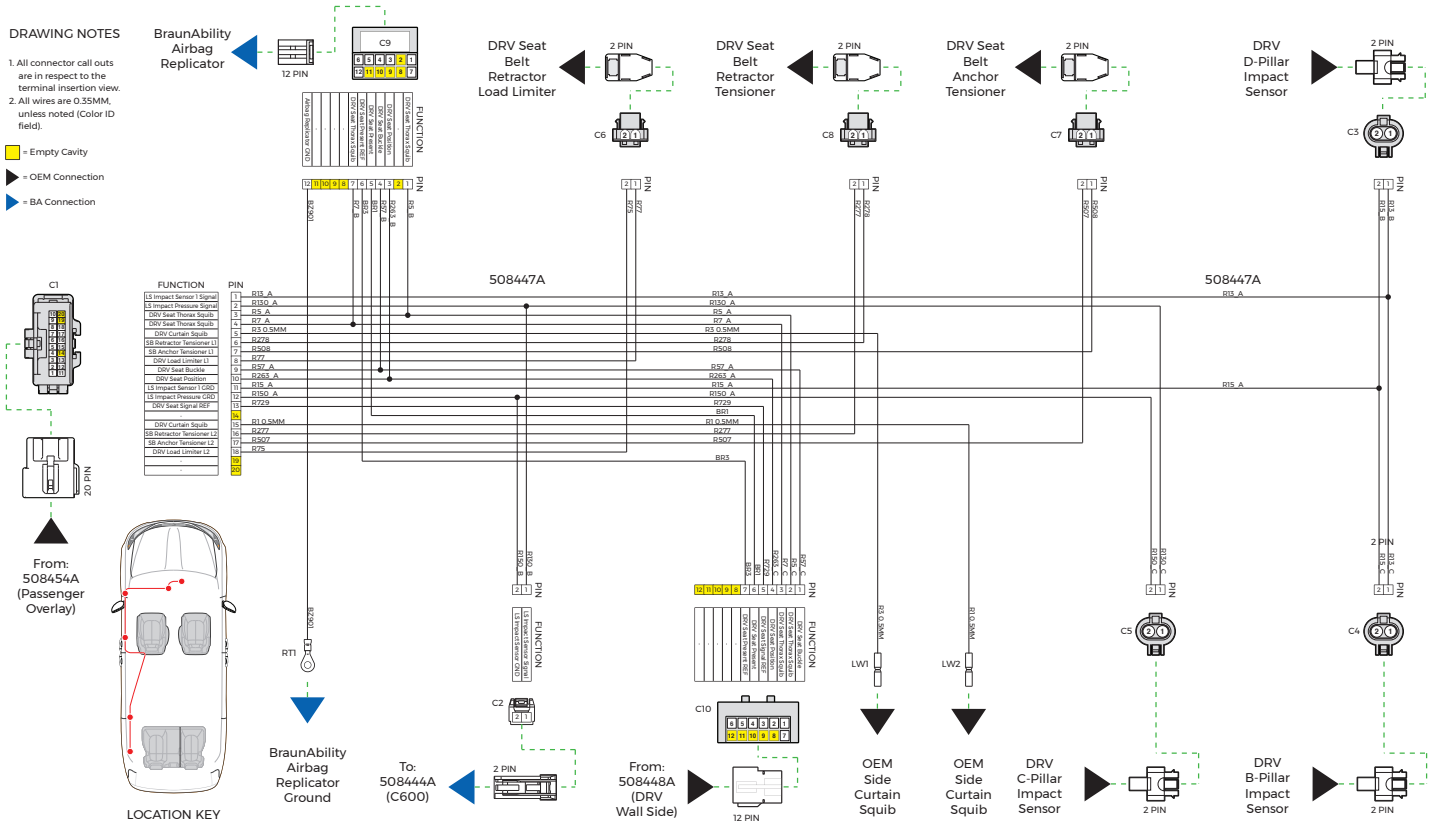


# WIRING DIAGRAM - AIRBAG OVERLAY - DRIVER SIDE

## DRAWING NOTES

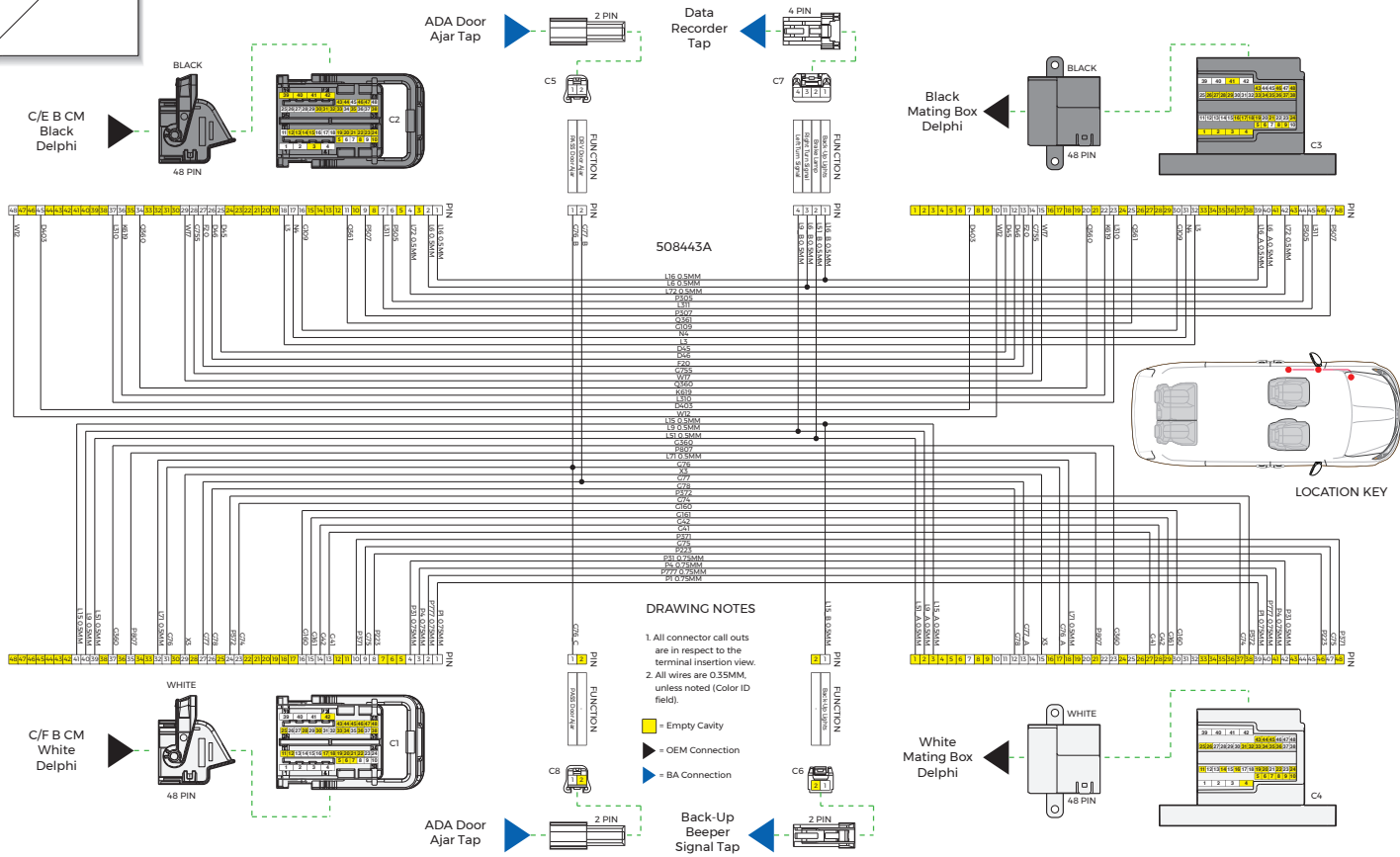
1. All connector call outs are in respect to the terminal insertion view.
2. All wires are 0.35MM, unless noted (Color ID field).

- Empty Cavity
- OEM Connection
- BA Connection





# WIRING DIAGRAM - BCM - DRIVER SIDE

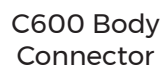
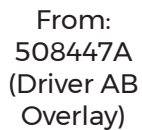


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1. All connector call outs are in respect to the terminal insertion view.
2. All wires are 0.35MM, unless noted (Color ID field).

▶ = OEM Connection

▶ = BA Connection



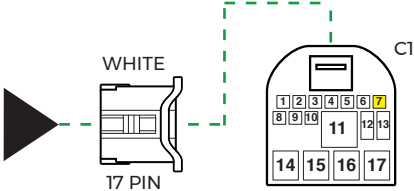
# WIRING DIAGRAM - C650 - PASSENGER SIDE

## DRAWING NOTES

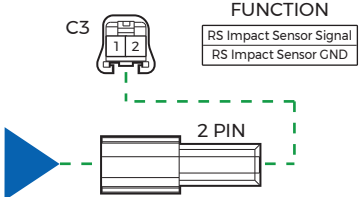
1. All connector call outs are in respect to the terminal insertion view.
2. All wires are 0.35MM, unless noted (Color ID field).

- = Empty Cavity
- ▶ = OEM Connection
- ▶ = BA Connection

C650 Door Connector



From:  
508454A  
(Passenger  
AB Overlay)

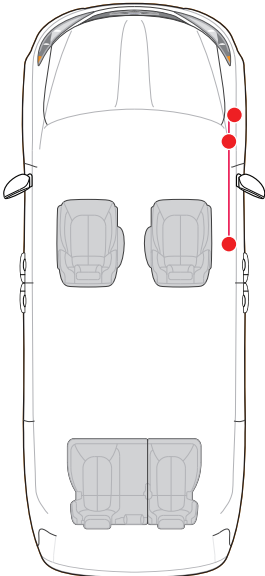


PIN

1	R140
2	R160

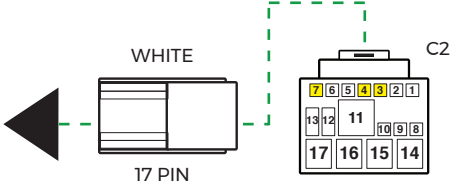
PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	P572	P400	R160	R140	G160	G74 0.75MM		P401 0.5MM	D213	D214	P777 0.75MM	X202 0.75MM	X292 0.75MM	A925 2.0MM	Z916 A 2.0MM	Z916 B 2.0MM	P4 0.75MM
PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	P572	P400	G160	G74 0.75MM		P401 0.5MM	D213	D214	P777 0.75MM	X202 0.75MM	X292 0.75MM	A925 2.0MM	Z916 A 2.0MM	Z916 B 2.0MM	P4 0.75MM		

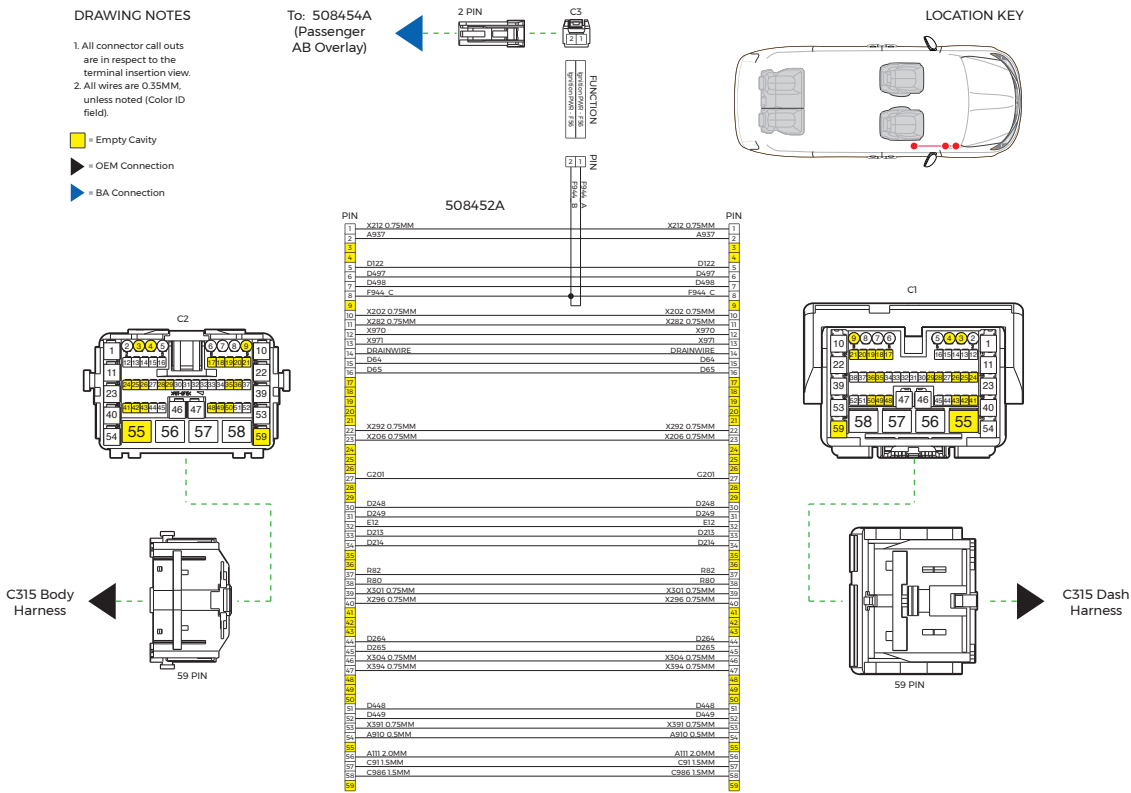
508451A



LOCATION KEY

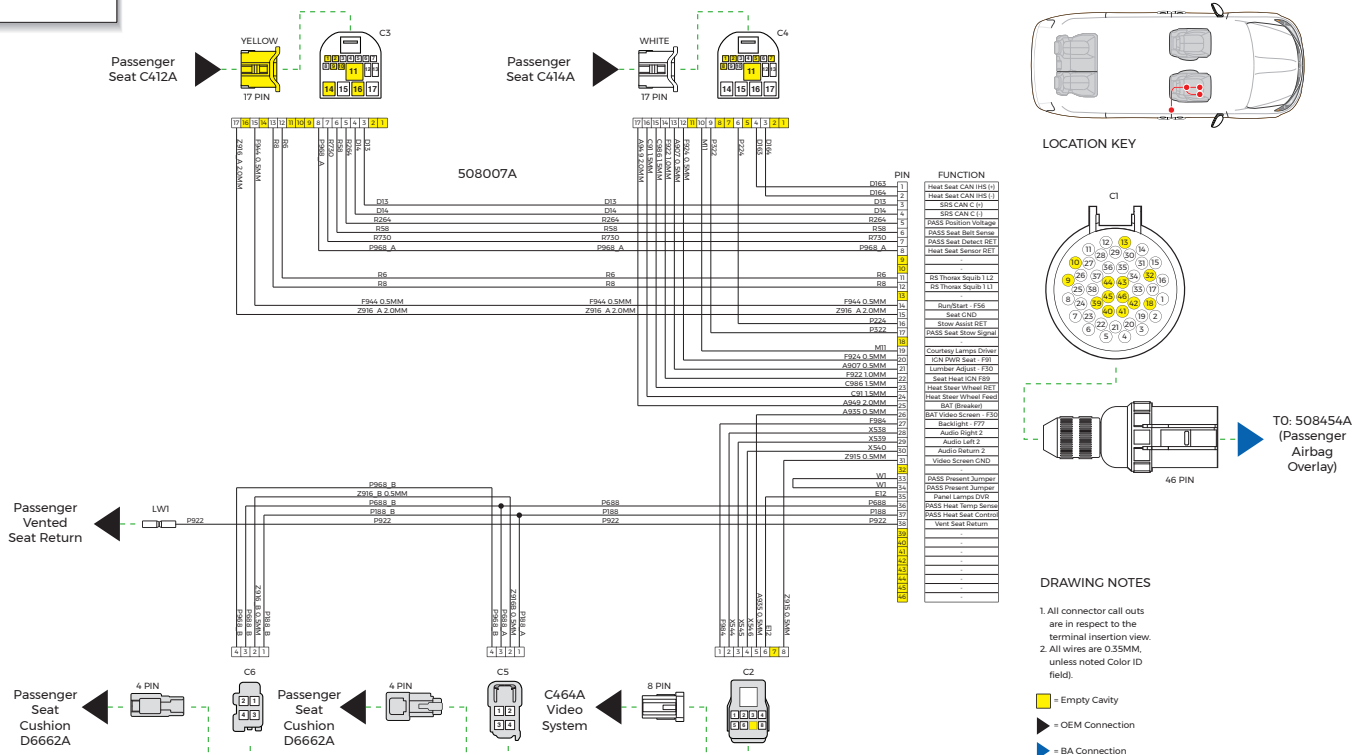
C650 Body Connector





Unfold for:  
Wiring Diagram  
C35 - Passenger Side

## WIRING DIAGRAM - PASSENGER SEAT - SEAT SIDE

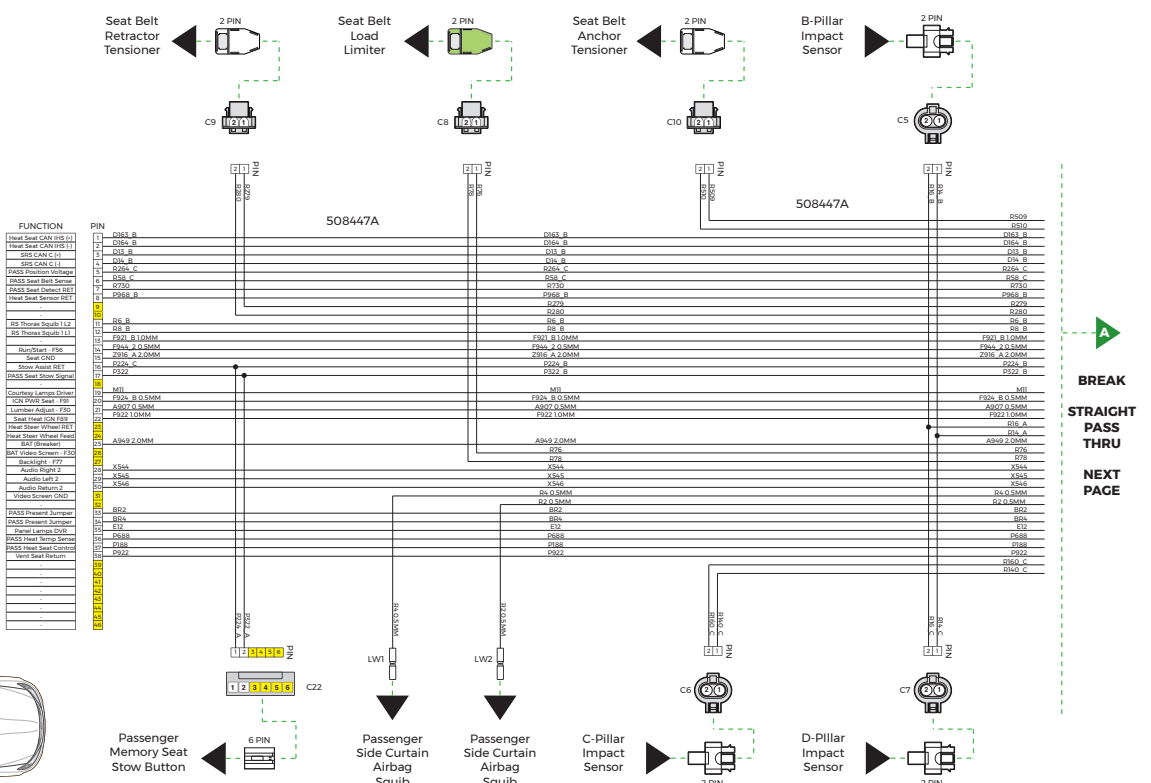
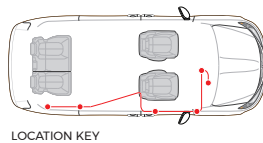
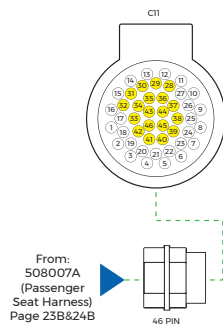


# WIRING DIAGRAM - PASSENGER SEAT - WALL SIDE

## DRAWING NOTES

1. All connector call outs are in respect to the terminal insertion view.
2. All wires are 0.35MM, unless noted Color ID field).

- Empty Cavity
- OEM Connection
- BA Connection



BREAK  
STRAIGHT  
PASS  
THRU  
NEXT  
PAGE

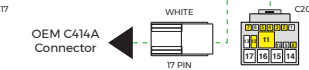
# WIRING DIAGRAM - PASSENGER SEAT - WALL SIDE

Unfold for:  
Wiring Diagram  
Passenger Seat  
Wall Side

BREAK  
STRAIGHT  
PASS  
THRU  
PREVIOUS  
PAGE



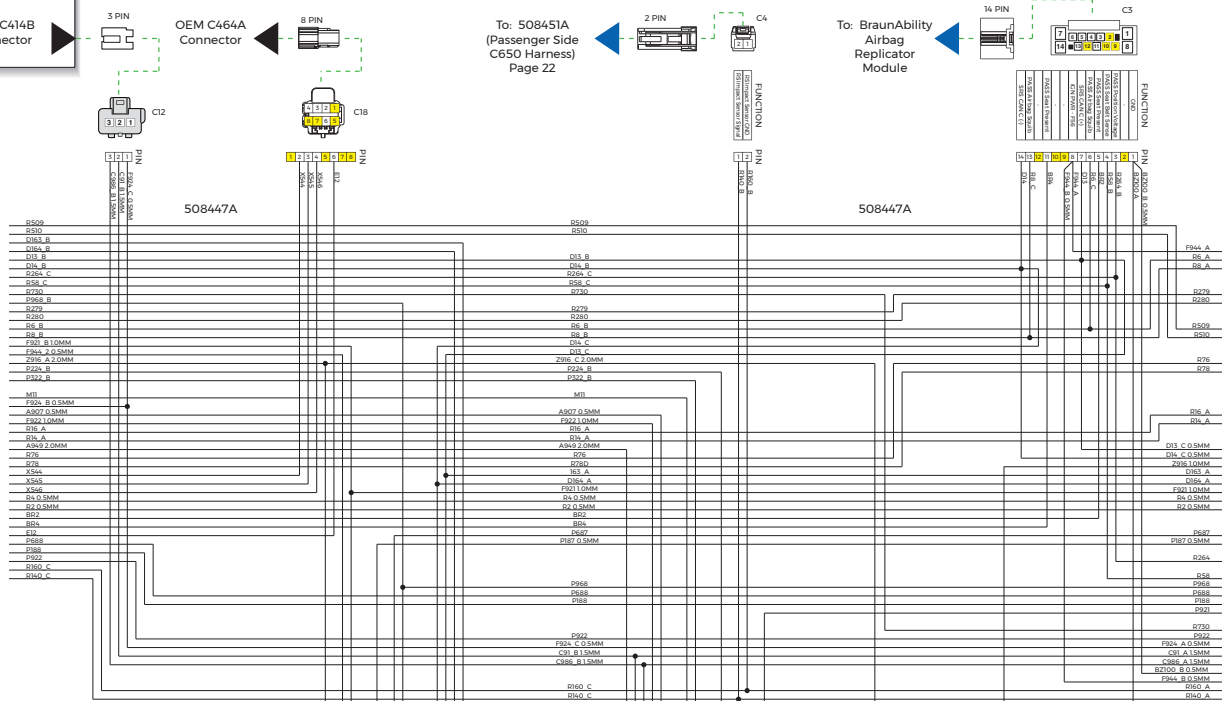
To: 508451A  
(Passenger Side  
C650 Harness)  
Page 22



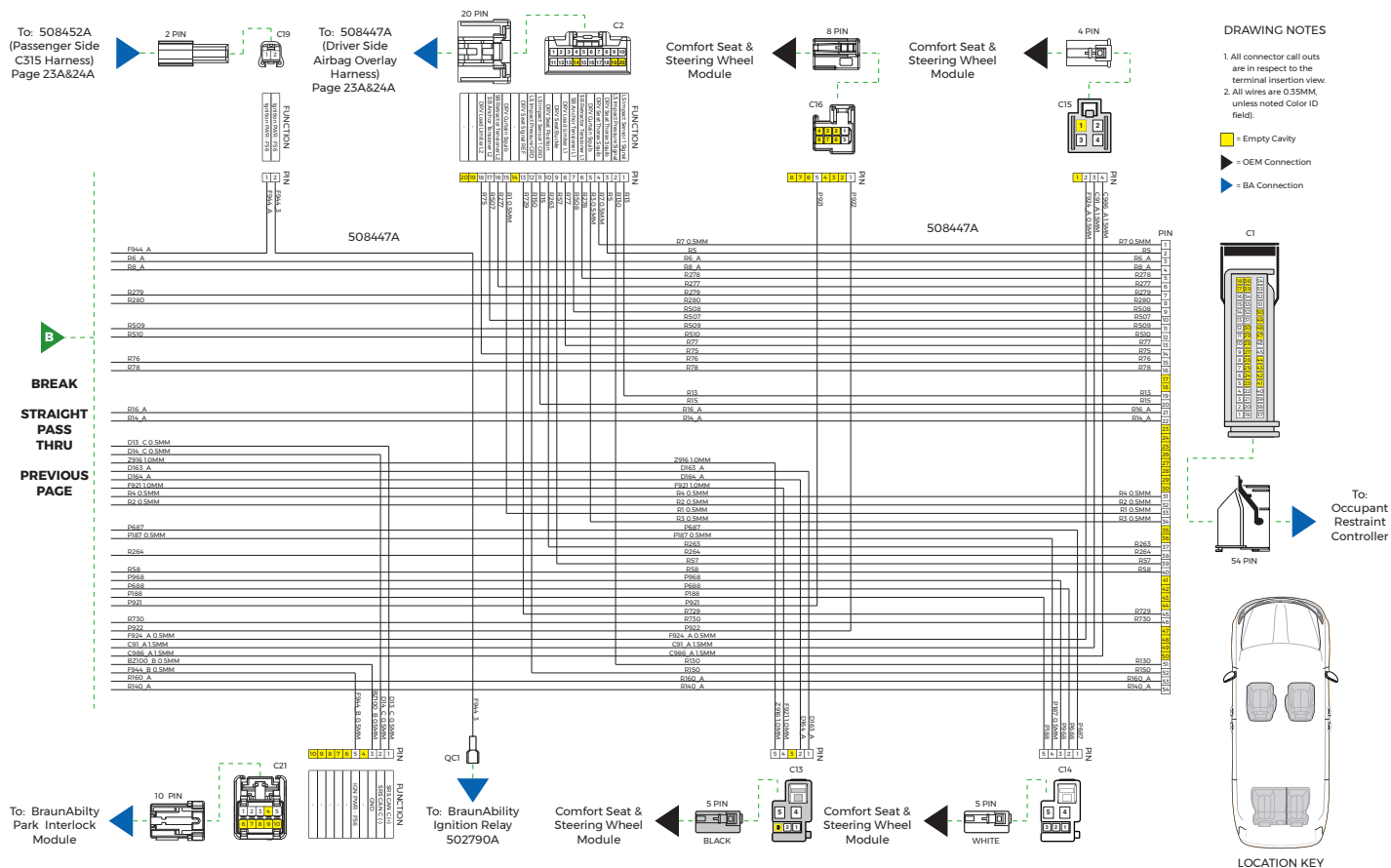
To: BraunAbility  
Airbag  
Replicator  
Module



BREAK  
STRAIGHT  
PASS  
THRU  
NEXT  
PAGE



## WIRING DIAGRAM - PASSENGER SEAT - WALL SIDE



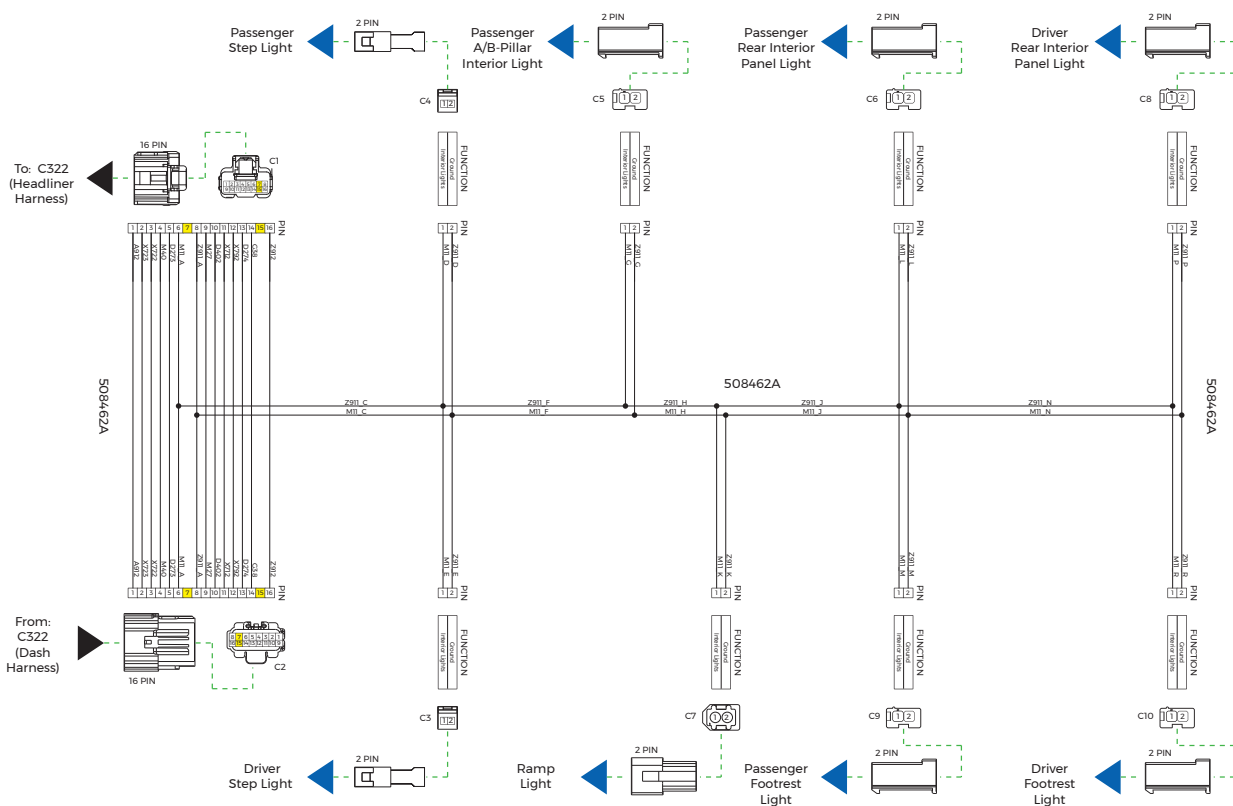
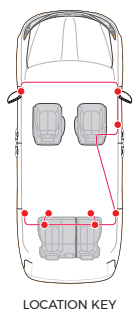


## WIRING DIAGRAM - LIGHTS

### DRAWING NOTES

1. All connector call outs are in respect to the terminal insertion view.
2. All wires are 0.35MM, unless noted (Color ID field).

- Empty Cavity
- OEM Connection
- BA Connection

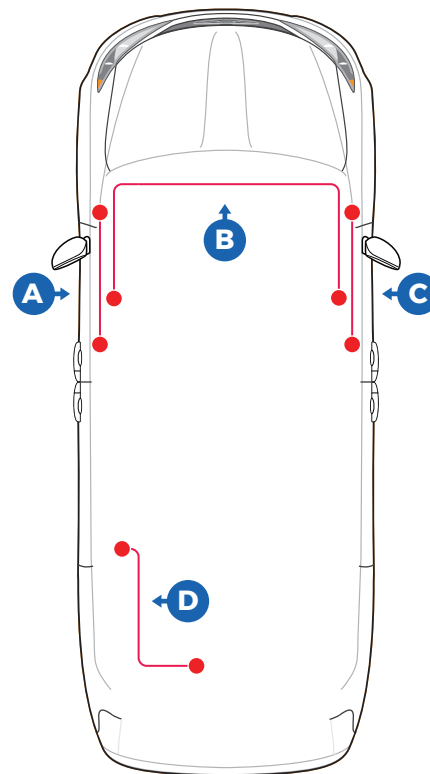


**Extension Harnesses**

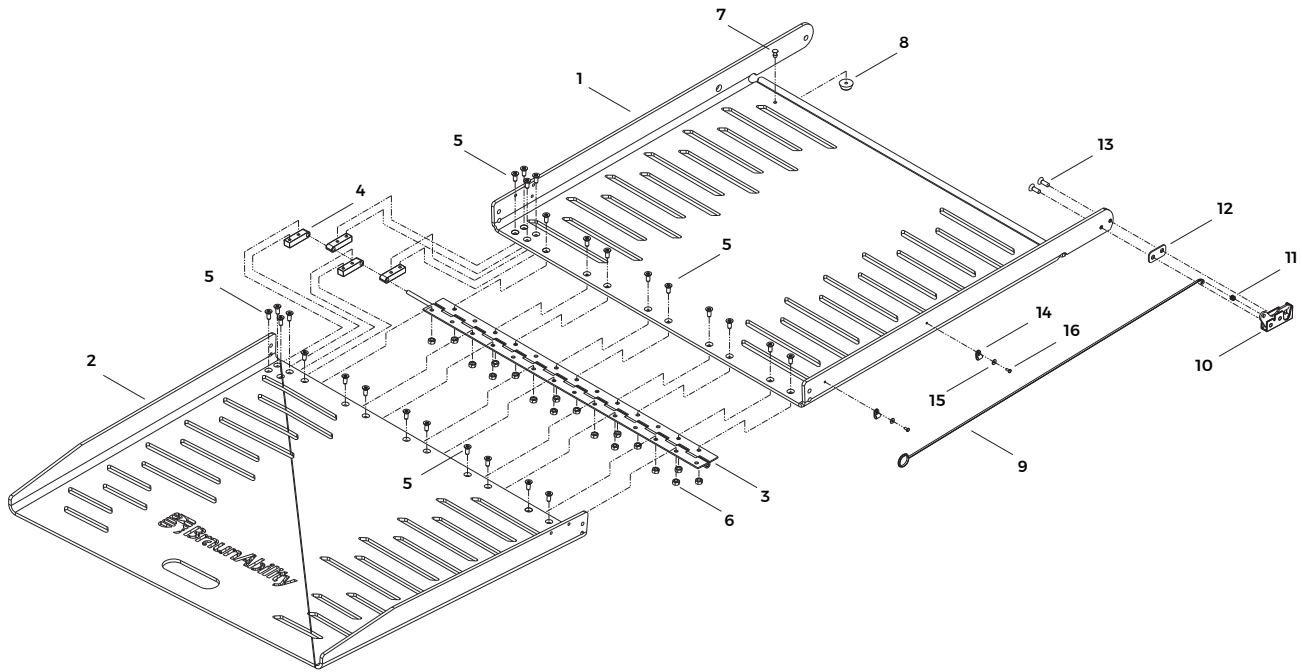
To accommodate the dropped floor in the wheelchair accessible vehicle, several OEM harnesses have been extended. These extension harnesses are equipped with OEM connectors. The OEM circuit function is a direct "pass-thru" and not effected by the extension harness. To troubleshoot the extension harnesses use the OEM documentation.

PART #	DESCRIPTION	LOCATION
508443A	Harness-Voyager-C313-Extension	A
508445A	Harness-Voyager-HCH-Brown-C600D-Extension	A
508446A	Harness-Voyager-HCH-C401-Extension	A
508450A	Harness-Voyager-HCH-C440-Extension	B
508459A	Harness-Voyager-HCH-C441-Extension	B
508458A	Harness-Voyager-HCH-C442-Extension	B
508460A	Harness-Voyager-HCH-C402A-Extension	C
508453A	Harness-Voyager-HCH-C402B-Extension	C
508463A	Harness-Voyager-HCH-Brown-C650D-Extension	C
502627A	Harness-Voyager-Fuel Pump-Extension	D

**Note:** Vehicle harness extension usage is dependant on your vehicle's trim and option configuration. Not all extensions are applicable for all conversions. Refer to the extensions applicable to your vehicle and disregard the extensions that do not apply.



# EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP - PLATFORM ASSEMBLY



**Part List - 50/50 Manual Foldout Swing Ramp - Platform Assembly**

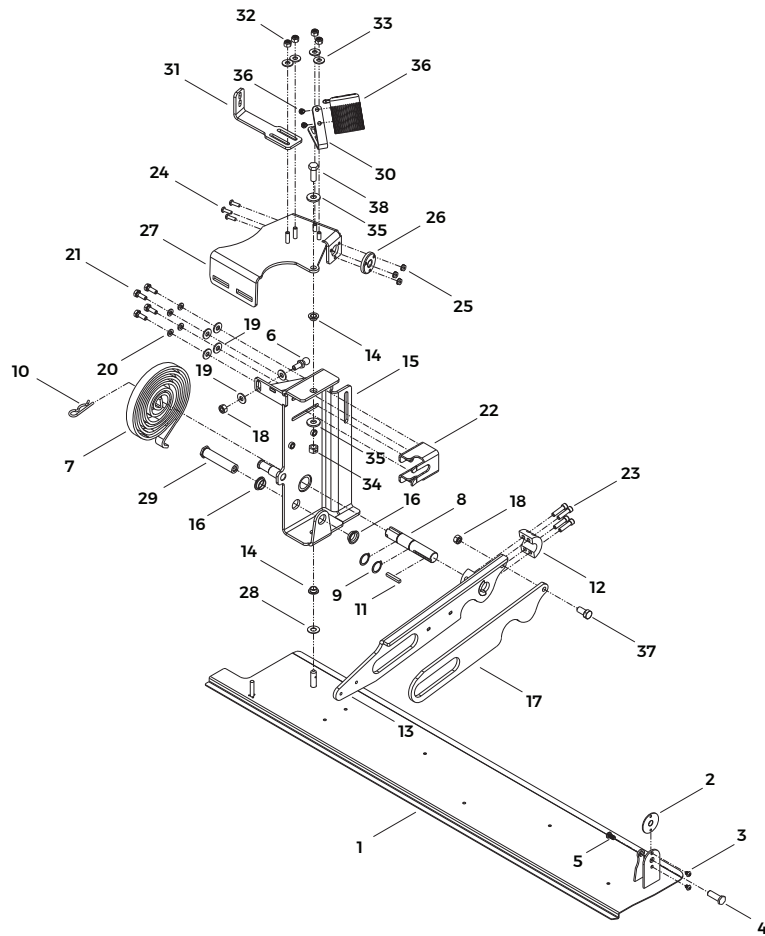
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	RAMP-SWING BASE/RU ADA - 50/50 - DK SLATE	509138DS
	1	RAMP-SWING BASE/RU ADA - 50/50 - MD SLATE	509138MS
2	1	RAMP-EXTENSION/RU ADA - 50/50 - DK SLATE	509139DS
	1	RAMP-EXTENSION/RU ADA - 50/50 - MD SLATE	509139MS
3	1	HINGE ASSY-29.5"	504856
4	4	HINGE-RAMP 50/50 HD	504855
5	26	1/4-20 x 5/8 FHCS W/PATCH - TORX	38597
6	18	NUT-1/4-20 HEX LOCK/AUTO-BK	10775
7	1	RIV - 3/16" X .251 - .375" / ALUM - BK	38599
8	1	BUMPER-RUBBER RECES.31/32 OD	10950
9	1	LATCH PULL\RU ADA	510157
10	1	LATCH-WITH RUBBER SNUBBER\ RU ADA	510156
11	1	GROMMET-5/32 HOLE-7/16 X 1/4 GROV-RUBBER	29426
12	1	SHIM PLATE	503172BK
13	2	FHSCS 1/4-20 X 3/4 ZINC PLATED	18708
14	2	CLAMO-3/16 ID NYLON LOOP BLACK	28326
15	2	WASHER-#6 FLAT 18-8 SS	11490
16	2	RIV-POP-SD43BS-1/8"- .13/.19/AUTO-BK	12954

## EXPLODED VIEWS

### Part List - 50/50 Manual Foldout Swing Ramp - Threshold / Tower Assembly

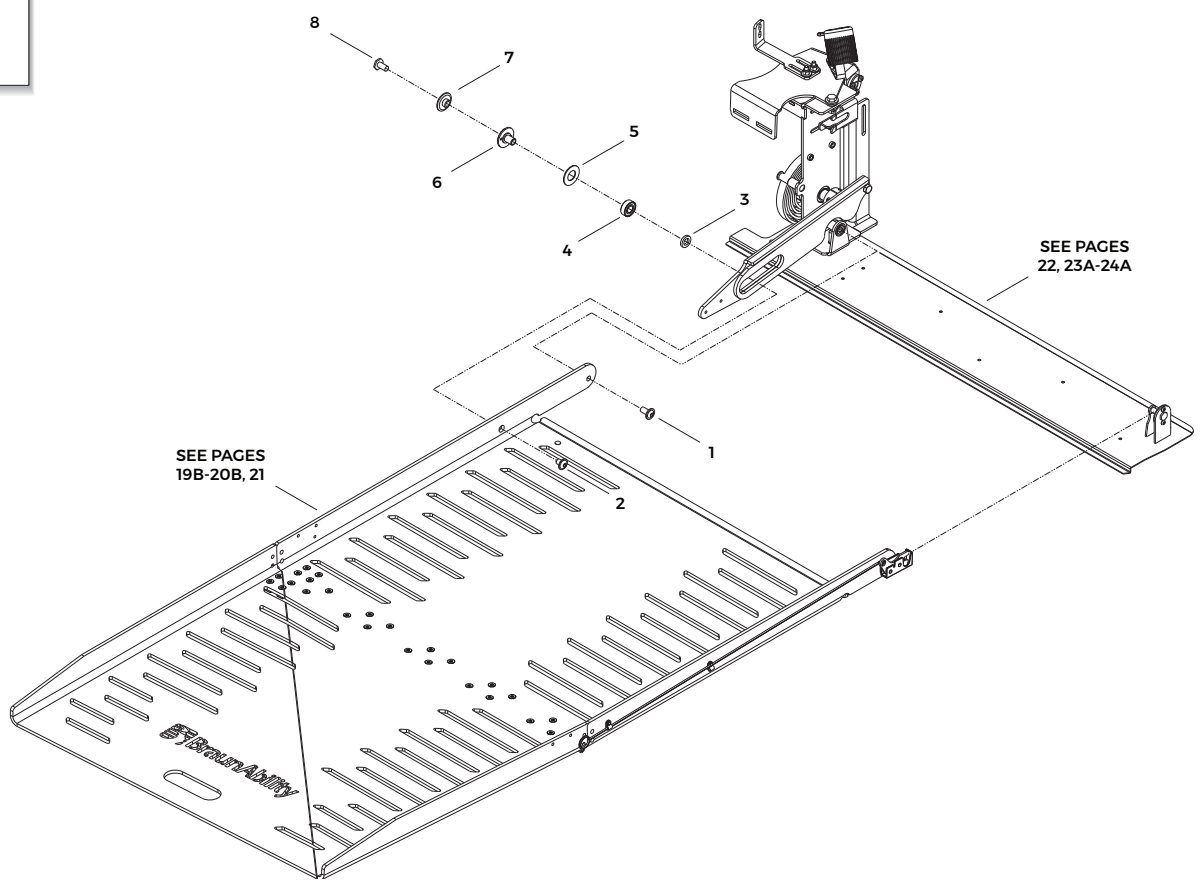
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	WMT - THRESHOLD\ RU ADA - DK SLATE	510128WDS
	1	WMT - THRESHOLD\ RU ADA - MD SLATE	510128WMS
2	1	RAMP LATCH GUIDE RU ADA	509800
3	2	SCREW - #10-32 BY 1/4" - TORX - BHSC	510132
4	1	BARREL NUT\ RU ADA	509692
5	1	SCREW - 1/4"-20 BY 1/2" - TORX - BHSC	510131
6	1	BALL STUD-13MM,5/16-18 MALE (GAS SPRING)	12611
7	1	SPRING-POWER/CLOCK/MAN RAMP	28258
8	1	SHAFT-30" MANUAL RAMP/GM VENTURE	E41507
9	2	RING-3/4 EXT SNAP/AUTO-BK	18657
10	1	COTTER-HAIRPIN-1.938 L-.5 SHFT	18832
11	1	KEY-3/16X3/16X1 1/4"	11002
12	1	COLLAR-SPLIT-3/4" SHAFT/RMP MTR/INNER	52565-2905BK
13	1	WMT - RAMP ARM \RU ADA	509188WBK
14	2	BEARING-PLASTIC-FLANGE-3/8IDX1/4"	24028
15	1	WMT - RAMP HOUSING \ RU ADA	509622WBK
16	2	BEARING-FLANGE-5/8" X 1/4"-10FDU04	28435
17	1	SUPPORT - RAMP TO RAMP ARM\ RU ADA	509693
18	2	NUT-5/16-18 HEX LOCK/AUTO-BK	11387BK
19	6	WASHER-1/4" FLAT/AUTO-BK	10062
20	4	WASHER-1/4" LOCK/AUTO-BK	10067
21	4	BOLT-1/4-20 X 3/4 GR5-HEX/AUTO-BK	10970
22	1	BKT-RAMP LATCH CATCH/ADJUSTABLE	509697A
23	4	SCREW-1/4-20 X 1" SOC HD CAP	24221
24	3	SCREW-#10-32X5/8" BHCS	25126
25	3	NUT-#10-32 W/LOCKWASHER/AUTO-BK	18349
26	1	SOCKET-UHMW-DETENT-RAMP/OPEN	E40248
27	1	WMT - SWING RAMP BODY MOUNT \ RU ADA	509433WBK
28	1	WASHER-PVC 3/8 X 1 X 1/16" GR	19039
29	1	FOLDOUT RAMP AXLE\RU ADA	509691
30	1	BKRT - RAMP LIGHT\ RU ADA	509696BK
31	1	BRKT - UPPER RAMP MOUNT SUPPORT \RU ADA	509731BK
32	4	NUT - 1/4-20 NYLOCK AUTO BLACK	14614
33	4	WASHER-1/4" FLAT/AUTO-BK	10062
34	1	NUT-3/8-16 UNC HEX LOCK/AUTO-BK	13617
35	2	WASHER-5/16 FLAT	10063
36	1	LIGHT ASSY-LED PLATFORM LIGHT	37968
37	1	BOLT-3/8-16 X 3/4 GR5-HEX	12463
38	1	HDWR - SHOULDER BOLT - UPPER PIVOT \ RU ADA	510246

EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP - THRESHOLD / TOWER ASSEMBLY



Unfold for:  
50/50 Manual Foldout Swing  
Ramp Threshold Tower Assembly

EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP - OVERALL ASSEMBLY



**Part List - 50/50 Manual Foldout Swing Ramp - Overall Assembly**

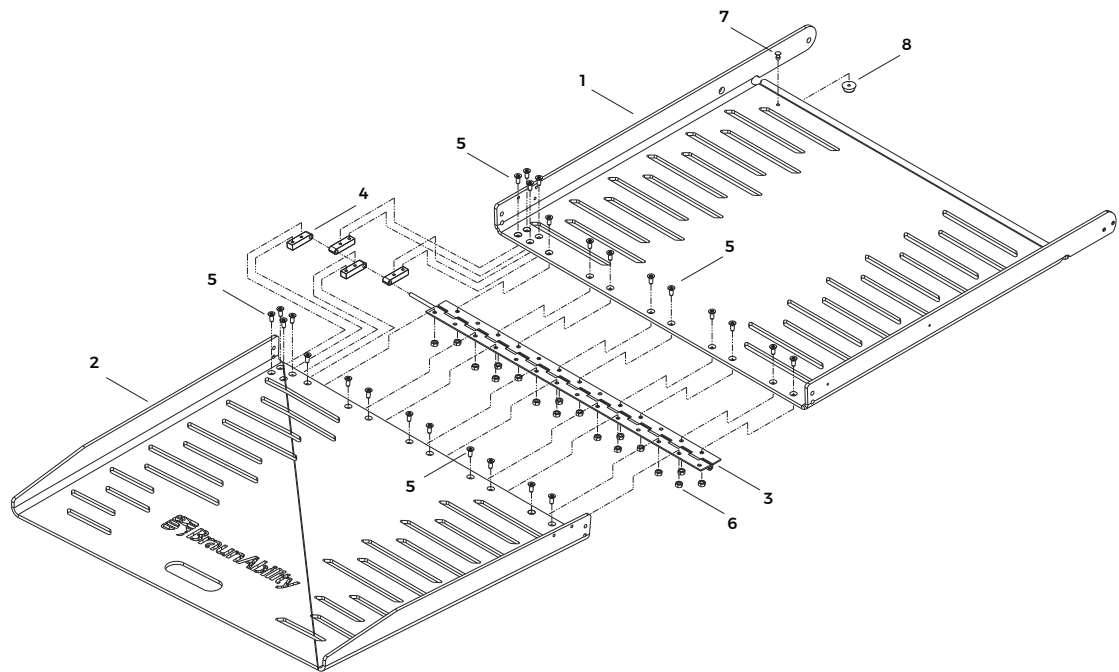
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	BOLT 3/8 16 X 3/4" FLBHSCS GD8	25171
2	1	BOLT-3/8-16 X 1/2" FLBHSCS 6G8/PATCH	29942
3	1	SPACER-RAMP ARM JOINT \RU ADA	510269
4	1	BEARING-1/2ID X 1 1/8 OD-BALL	21371
5	1	WASHER-UHMW 1.500 OD X .76 ID X 0.062	29680
6	1	RETAINER - BEARING\RU ADA	510268
7	1	PIN-RAMP SUPPORT-96SC 30" RAMP	509704
8	1	RETAINER-BEARING-RAMP CATCH	509688



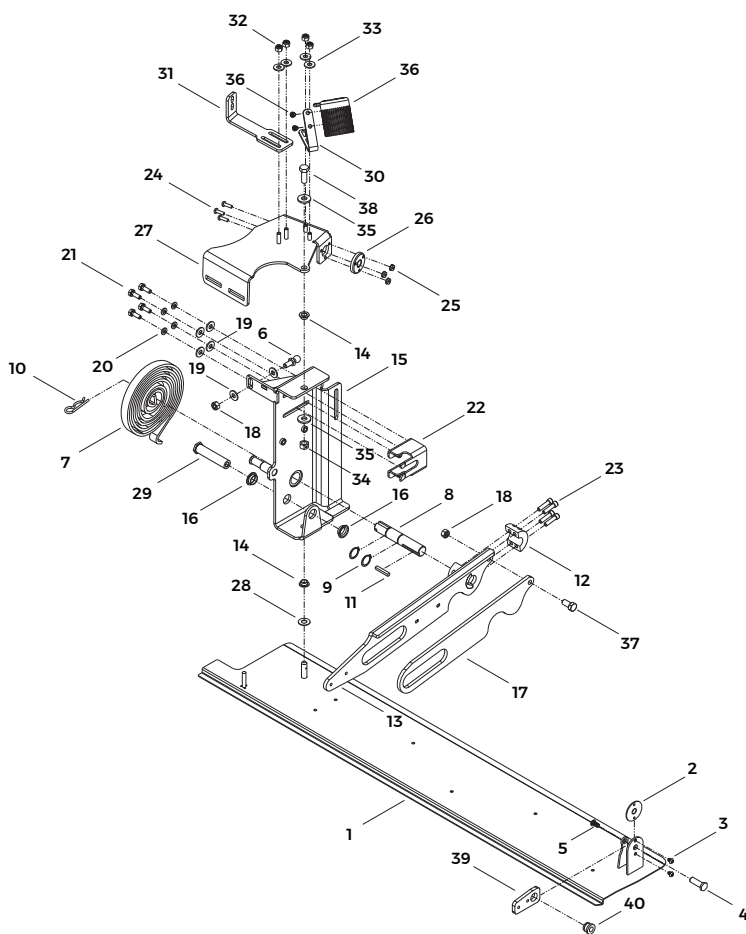
## EXPLODED VIEWS

### Part List - 50/50 Manual Foldout Ramp - Platform Assembly

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	RAMP-SWING BASE/RU ADA - 50/50 - DK SLATE	509138DS
	1	RAMP-SWING BASE/RU ADA - 50/50 - MD SLATE	509138MS
2	1	RAMP-EXTENSION/RU ADA - 50/50 - DK SLATE	509139DS
	1	RAMP-EXTENSION/RU ADA - 50/50 - MD SLATE	509139MS
3	1	HINGE ASSY-29.5"	504856
4	4	HINGE-RAMP 50/50 HD	504855
5	26	1/4-20 x 5/8 FHCS W/PATCH - TORX	38597
6	18	NUT-1/4-20 HEX LOCK/AUTO-BK	10775
7	1	RIV - 3/16" X .251 - .375" / ALUM - BK	38599
8	1	BUMPER-RUBBER RECES.31/32 OD	10950



# EXPLODED VIEW - 50/50 MANUAL FOLDOUT RAMP - THRESHOLD / TOWER ASSEMBLY



## Part List - 50/50 Manual Foldout Ramp - Threshold / Tower Assembly

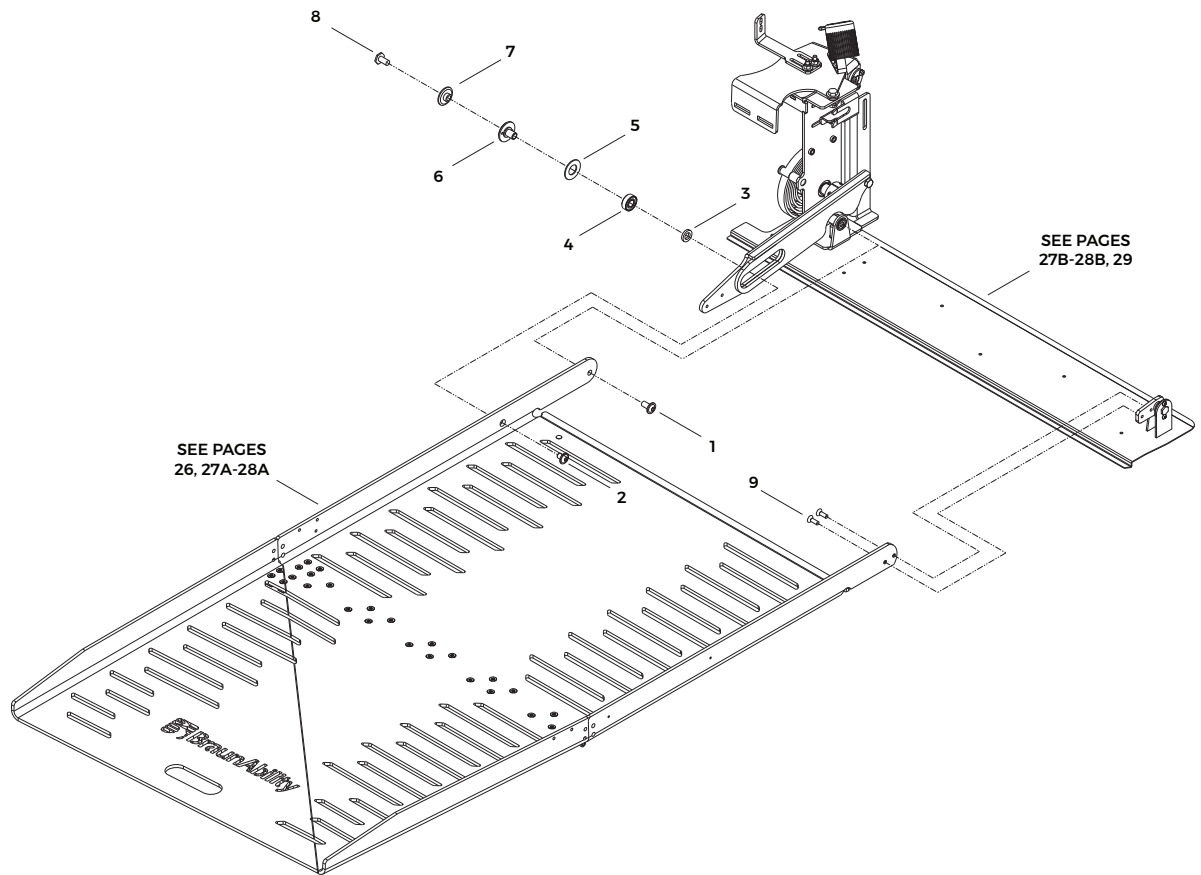
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	WMT - THRESHOLD\ RU ADA - DK SLATE	510128WDS
	1	WMT - THRESHOLD\ RU ADA - MD SLATE	510128WMS
2	1	RAMP LATCH GUIDE RU ADA	509800
3	2	SCREW - #10-32 BY 1/4" - TORX - BHSC	510132
4	1	BARREL NUT\ RU ADA	509692
5	1	SCREW - 1/4"-20 BY 1/2" - TORX - BHSC	510131
6	1	BALL STUD-13MM,5/16-18 MALE (GAS SPRING)	12611
7	1	SPRING-POWER/CLOCK/MAN RAMP	28258
8	1	SHAFT-30" MANUAL RAMP/GM VENTURE	E41507
9	2	RING-3/4 EXT SNAP/AUTO-BK	18657
10	1	COTTER-HAIRPIN-1.938 L-.5 SHFT	18832
11	1	KEY-3/16X3/16X1 1/4"	11002
12	1	COLLAR-SPLIT-3/4" SHAFT/RMP MTR/INNER	52565-2905BK
13	1	WMT - RAMP ARM \RU ADA	509188WBK
14	2	BEARING-PLASTIC-FLANGE-3/8IDX1/4"	24028
15	1	WMT - RAMP HOUSING \ RU ADA	509622WBK
16	2	BEARING-FLANGE-5/8" X 1/4"-10FDU04	28435
17	1	SUPPORT - RAMP TO RAMP ARM\ RU ADA	509693
18	2	NUT-5/16-18 HEX LOCK/AUTO-BK	11387BK
19	6	WASHER-1/4" FLAT/AUTO-BK	10062
20	4	WASHER-1/4" LOCK/AUTO-BK	10067
21	4	BOLT-1/4-20 X 3/4 GR5-HEX/AUTO-BK	10970
22	1	BKT-RAMP LATCH CATCH/ADJUSTABLE	509697A
23	4	SCREW-1/4-20 X 1" SOC HD CAP	24221
24	3	SCREW-#10-32X5/8" BHCS	25126
25	3	NUT-#10-32 W/LOCKWASHER/AUTO-BK	18349
26	1	SOCKET-UHMW-DETENT-RAMP/OPEN	E40248
27	1	WMT - SWING RAMP BODY MOUNT \ RU ADA	509433WBK
28	1	WASHER-PVC 3/8 X 1 X 1/16" GR	19039
29	1	FOLDOUT RAMP AXLE\RU ADA	509691
30	1	BKRT - RAMP LIGHT\ RU ADA	509696BK
31	1	BRKT - UPPER RAMP MOUNT SUPPORT \RU ADA	509731BK
32	4	NUT - 1/4-20 NYLOCK AUTO BLACK	14614
33	4	WASHER-1/4" FLAT/AUTO-BK	10062
34	1	NUT-3/8-16 UNC HEX LOCK/AUTO-BK	13617
35	2	WASHER-5/16 FLAT	10063
36	1	LIGHT ASSY-LED PLATFORM LIGHT	37968
37	1	BOLT-3/8-16 X 3/4 GR5-HEX	12463
38	1	HDWR - SHOULDER BOLT - UPPER PIVOT \ RU ADA	510246
39	1	PIVOT BRACKET/NON-SWING RAMP/BLK	E40271BK-03
40	1	BUSHING/NON-SWING RAMP/UHMW/BLK	E40272-03

## EXPLODED VIEWS

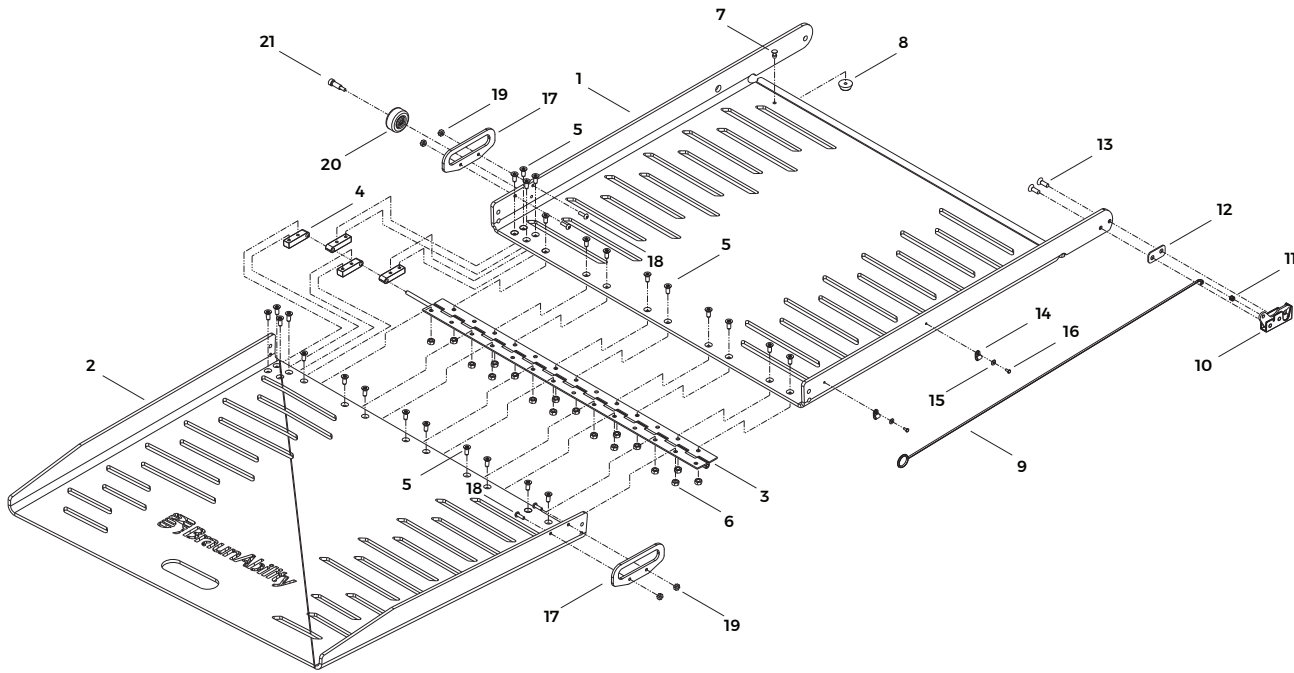
### Part List - 50/50 Manual Foldout Ramp - Overall Assembly

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	BOLT 3/8 16 X 3/4" FLBHSCS GD8	25171
2	1	BOLT-3/8-16 X 1/2" FLBHSCS 6G8/PATCH	29942
3	1	SPACER-RAMP ARM JOINT \RU ADA	510269
4	1	BEARING-1/2ID X 1 1/8 OD-BALL	21371
5	1	WASHER-UHMW 1.500 OD X .76 ID X 0.062	29680
6	1	RETAINER - BEARING\RU ADA	510268
7	1	PIN-RAMP SUPPORT-96SC 30" RAMP	509704
8	1	RETAINER-BEARING-RAMP CATCH	509688
9	2	FHSCS 1/4-20 X 3/4 ZINC PLATED	18708

EXPLODED VIEW - 50/50 MANUAL FOLDOUT RAMP - OVERALL ASSEMBLY



EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP w/ASSIST - PLATFORM ASSEMBLY



## Part List - 50/50 Manual Foldout Swing Ramp w/Assist - Platform Assembly

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	RAMP-SWING BASE/RU ADA - 50/50 - DK SLATE	509138DS
	1	RAMP-SWING BASE/RU ADA - 50/50 - MD SLATE	509138MS
2	1	RAMP-EXTENSION/RU ADA - 50/50 - DK SLATE	509139DS
	1	RAMP-EXTENSION/RU ADA - 50/50 - MD SLATE	509139MS
3	1	HINGE ASSY-29.5"	504856
4	4	HINGE-RAMP 50/50 HD	504855
5	26	1/4-20 x 5/8 FHCS W/PATCH - TORX	38597
6	18	NUT-1/4-20 HEX LOCK/AUTO-BK	10775
7	1	RIV - 3/16" X .251 - .375" / ALUM - BK	38599
8	1	BUMPER-RUBBER RECES.31/32 OD	10950
9	1	LATCH PULL\RU ADA	510157
10	1	LATCH-WITH RUBBER SNUBBER\ RU ADA	510156
11	1	GROMMET-5/32 HOLE-7/16 X 1/4 GROV-RUBBER	29426
12	1	SHIM PLATE	503172BK
13	2	FHSCS 1/4-20 X 3/4 ZINC PLATED	18708
14	2	CLAMO-3/16 ID NYLON LOOP BLACK	28326
15	2	WASHER-#6 FLAT 18-8 SS	11490
16	2	RIV-POP-SD43BS-1/8"- .13/.19/AUTO-BK	12954
17	2	RAMP HANDLE-BOLT ON/CALACT	E51584Y
18	4	SCREW-#10-32X5/8" BHCS	25126
19	4	NUT - 10-32 HEX CENTER LOCK/AUTO-BK	34290BK
20	1	WHEEL-CUSHION TREAD RUBBER-INFLOOR	61-4018-0
21	1	BOLT-SHLDR 5/16"OD X 3/4-1/4-20 SKT	18073

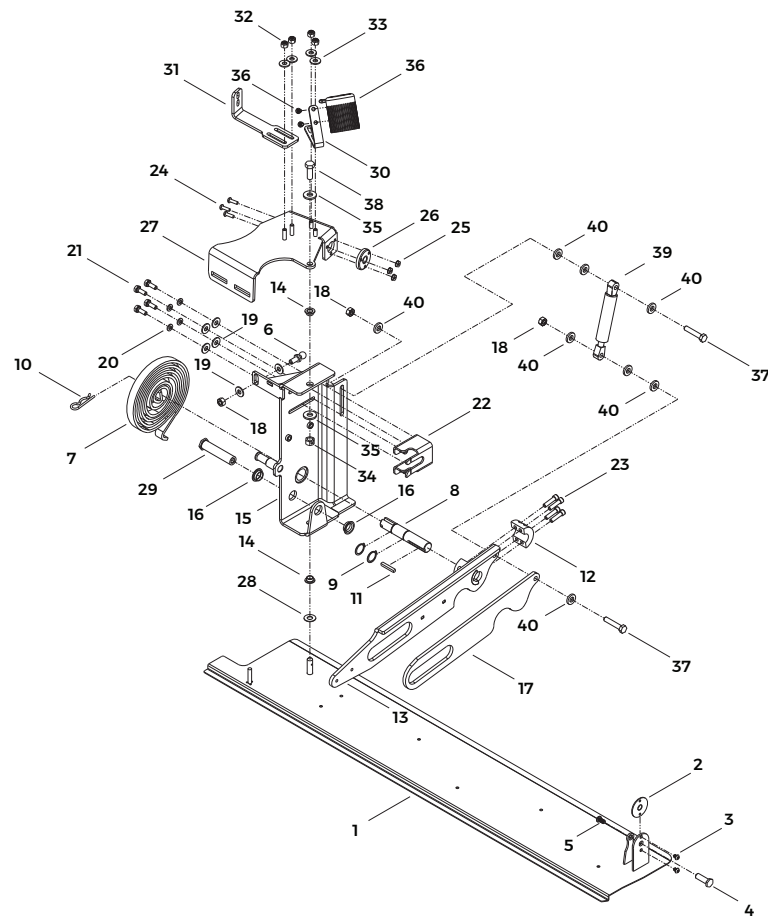


## EXPLODED VIEWS

### Part List - 50/50 Manual Foldout Swing Ramp w/Assist - Threshold / Tower Assembly

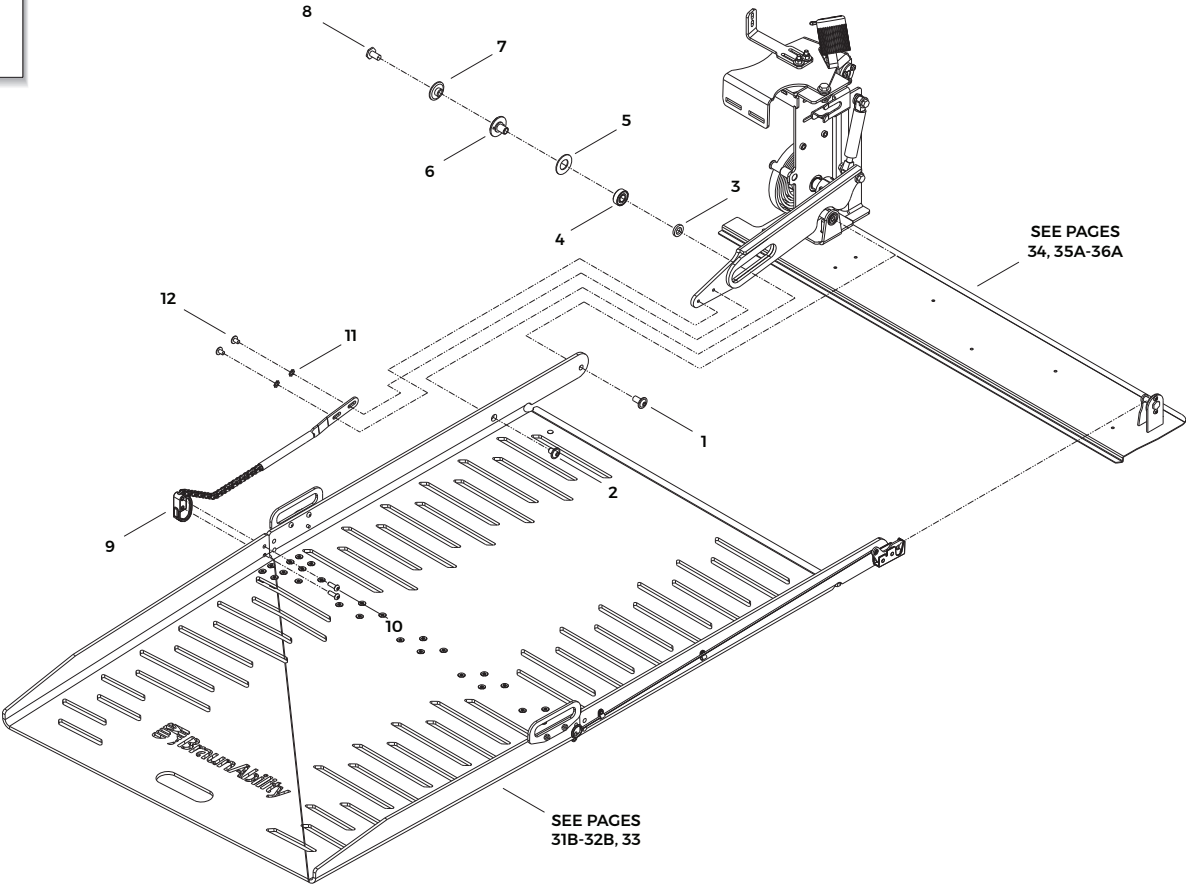
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	WMT - THRESHOLD\ RU ADA - DK SLATE	510128WDS
	1	WMT - THRESHOLD\ RU ADA - MD SLATE	510128WMS
2	1	RAMP LATCH GUIDE RU ADA	509800
3	2	SCREW - #10-32 BY 1/4" - TORX - BHSC	510132
4	1	BARREL NUT\ RU ADA	509692
5	1	SCREW - 1/4"-20 BY 1/2" - TORX - BHSC	510131
6	1	BALL STUD-13MM,5/16-18 MALE (GAS SPRING)	12611
7	1	SPRING-POWER/CLOCK/MAN RAMP	28258
8	1	SHAFT-30" MANUAL RAMP/GM VENTURE	E41507
9	2	RING-3/4 EXT SNAP/AUTO-BK	18657
10	1	COTTER-HAIRPIN-1.938 L-.5 SHFT	18832
11	1	KEY-3/16X3/16X1 1/4"	11002
12	1	COLLAR-SPLIT-3/4" SHAFT/RMP MTR/INNER	52565-2905BK
13	1	WMT - RAMP ARM \RU ADA	509188WBK
14	2	BEARING-PLASTIC-FLANGE-3/8IDX1/4"	24028
15	1	WMT - RAMP HOUSING \ RU ADA	509622WBK
16	2	BEARING-FLANGE-5/8" X 1/4"-10FDU04	28435
17	1	SUPPORT - RAMP TO RAMP ARM\ RU ADA	509693
18	3	NUT-5/16-18 HEX LOCK/AUTO-BK	11387BK
19	6	WASHER-1/4" FLAT/AUTO-BK	10062
20	4	WASHER-1/4" LOCK/AUTO-BK	10067
21	4	BOLT-1/4-20 X 3/4 GR5-HEX/AUTO-BK	10970
22	1	BKT-RAMP LATCH CATCH/ADJUSTABLE	509697A
23	4	SCREW-1/4-20 X 1" SOC HD CAP	24221
24	3	SCREW-#10-32X5/8" BHCS	25126
25	3	NUT-#10-32 W/LOCKWASHER/AUTO-BK	18349
26	1	SOCKET-UHMW-DETENT-RAMP/OPEN	E40248
27	1	WMT - SWING RAMP BODY MOUNT \ RU ADA	509433WBK
28	1	WASHER-PVC 3/8 X 1 X 1/16" GR	19039
29	1	FOLDOUT RAMP AXLE\RU ADA	509691
30	1	BKRT - RAMP LIGHT\ RU ADA	509696BK
31	1	BRKT - UPPER RAMP MOUNT SUPPORT \RU ADA	509731BK
32	4	NUT - 1/4-20 NYLOCK AUTO BLACK	14614
33	4	WASHER-1/4" FLAT/AUTO-BK	10062
34	1	NUT-3/8-16 UNC HEX LOCK/AUTO-BK	13617
35	2	WASHER-5/16 FLAT	10063
36	1	LIGHT ASSY-LED PLATFORM LIGHT	37968
37	2	BOLT-5/16-18 X 1 5/8" HEX HD CAP	36531
38	1	HDWR - SHOULDER BOLT - UPPER PIVOT \ RU ADA	510246
39	1	GAS SPRING-5.51EXT/3.54COM-667N/149.9LBF	38452
40	8	BEARING-BRONZE THRUST-3/8ID,3/4OD,1/8THK	36530

EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP w/ASSIST - THRESHOLD / TOWER ASSEMBLY



Unfold for:  
50/50 Manual Foldout Swing Ramp  
w/Assist - Threshold / Tower Assembly

EXPLODED VIEW - 50/50 MANUAL FOLDOUT SWING RAMP w/ASSIST - OVERALL ASSEMBLY



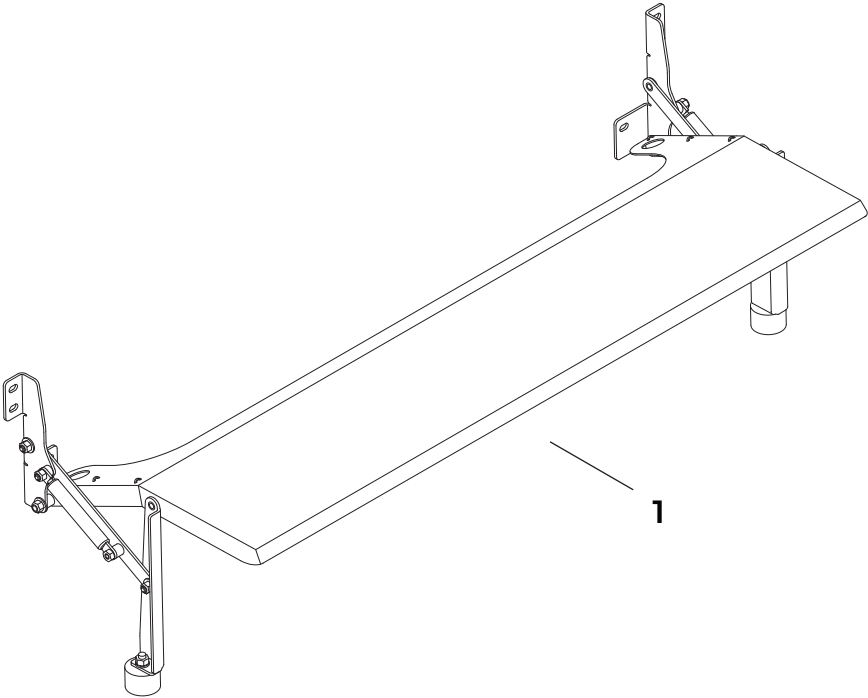
**Part List - 50/50 Manual Foldout Swing Ramp w/Assist - Overall Assembly**

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	BOLT 3/8 16 X 3/4" FLBHSCS GD8	25171
2	1	BOLT-3/8-16 X 1/2" FLBHSCS 6G8/PATCH	29942
3	1	SPACER-RAMP ARM JOINT \RU ADA	510269
4	1	BEARING-1/2ID X 1 1/8 OD-BALL	21371
5	1	WASHER-UHMW 1.500 OD X .76 ID X 0.062	29680
6	1	RETAINER - BEARING\RU ADA	510268
7	1	PIN-RAMP SUPPORT-96SC 30" RAMP	509704
8	1	RETAINER-BEARING-RAMP CATCH	509688
9	1	ASSEMBLY 50 / 50 RAMP CAM / CHAIN / SLACK PLATE	506223A
10	2	BOLT-1/4-20 X 3/4 BUTT HD - ALLEN	20143
11	2	WASHER-1/4 EXT STAR TOOTH LOCK ZP	83588
12	2	SCREW-1/4-20 X 3/8" FLBHSCS	28252

REPLACEMENT PARTS

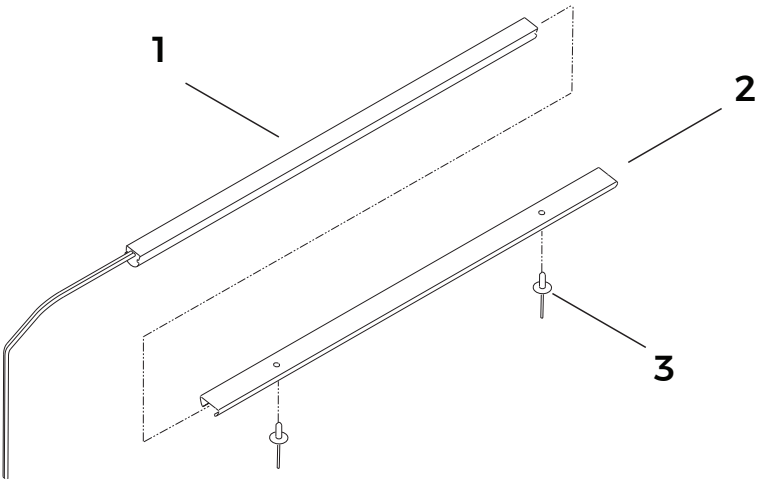
Part List - 3rd Row Footrest Assembly

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	ASSY - FOOTREST - RU ADA	509834A



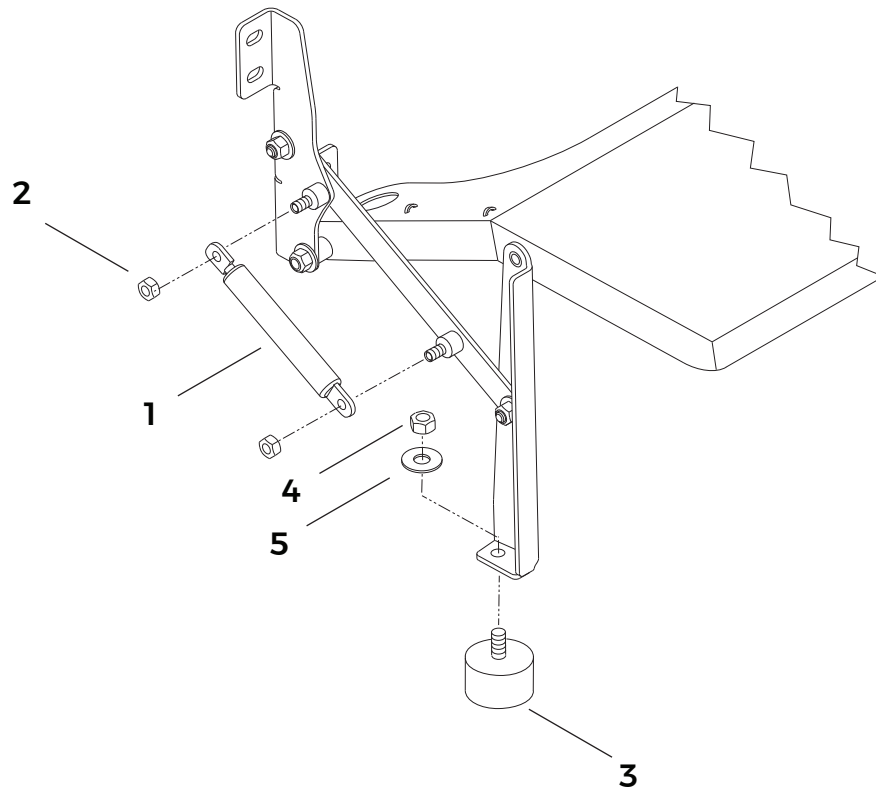
Part List - 3rd Row Footrest Light Assembly

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	HARNESS RU UNDERSEAT LIGHT RU2017	503686A
2	1	LIGHT BRACKET EXTRUSIONL12 IN. RU2017SE	503582
3	2	1/8" RIVET - BLACK	VPM11919



## Part List - 3rd Row Footrest - Gas Spring Kit

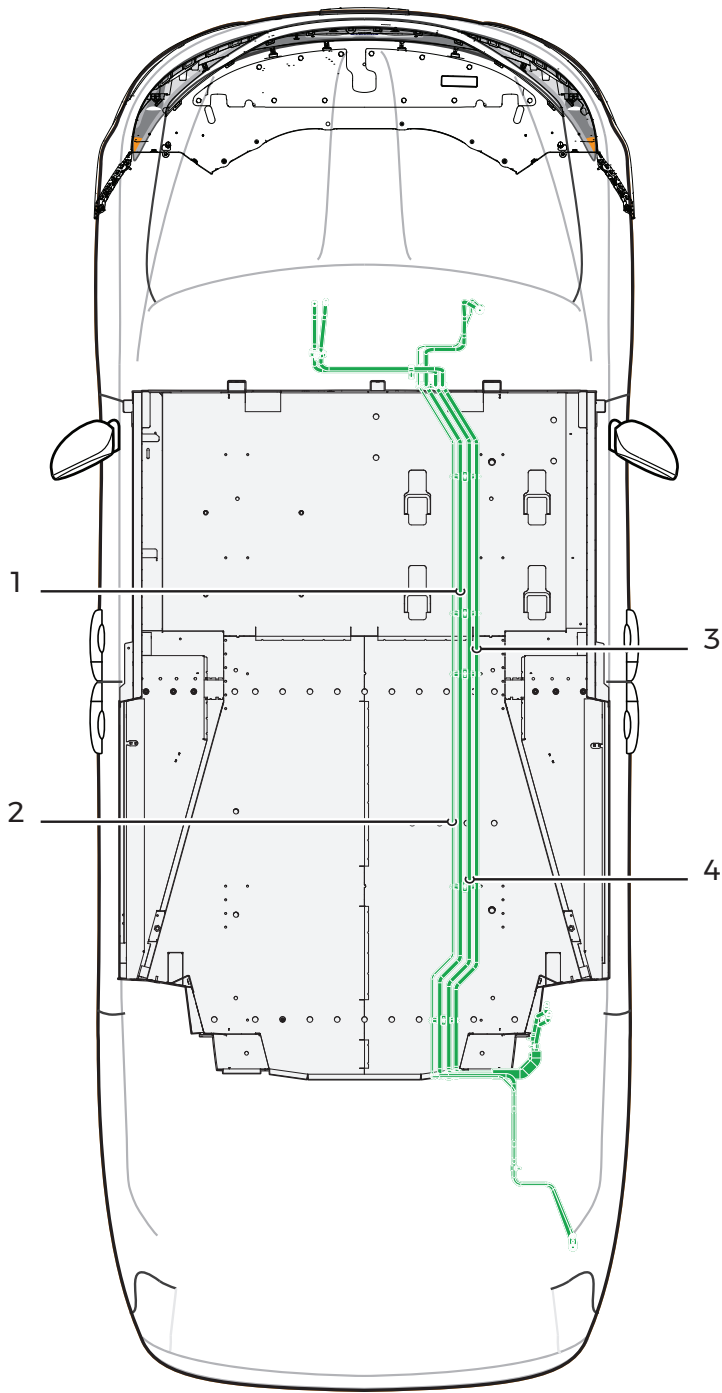
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	2	GAS SPRING 6.46 EXT 4.88 COM P1=50# RU2017SE	504531
2	4	NUT 1/4 20 HEX LOCK AUTO BLACK	10775
3	2	BUMPER - RUBBER 1" - 5/16-18 X 5/8 STUD	16114
4	2	WASHER 5/16" LOCK AUTO BLACK	10068
5	2	NUT 5/16 18 HEX AUTO BLACK	10058



REPLACEMENT PARTS

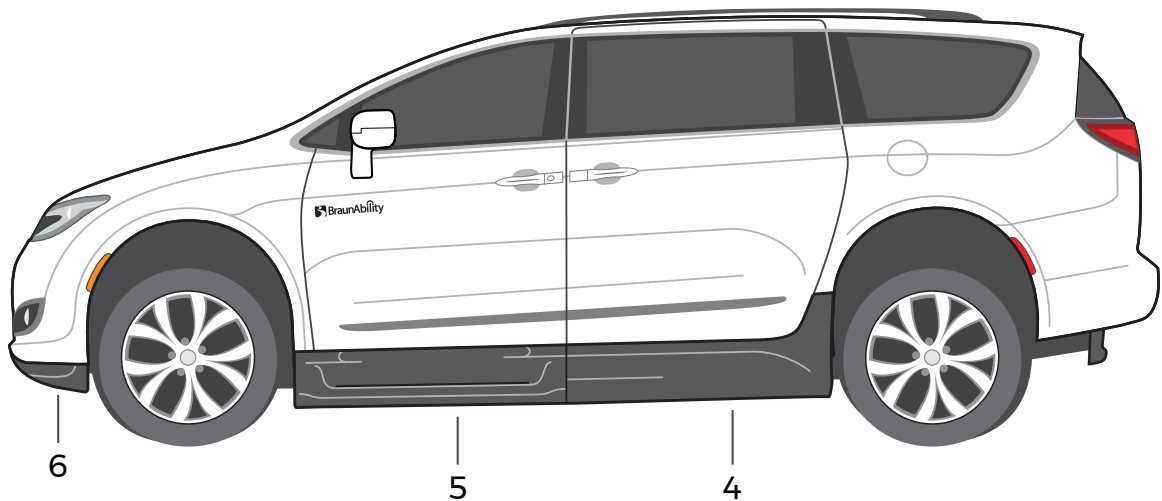
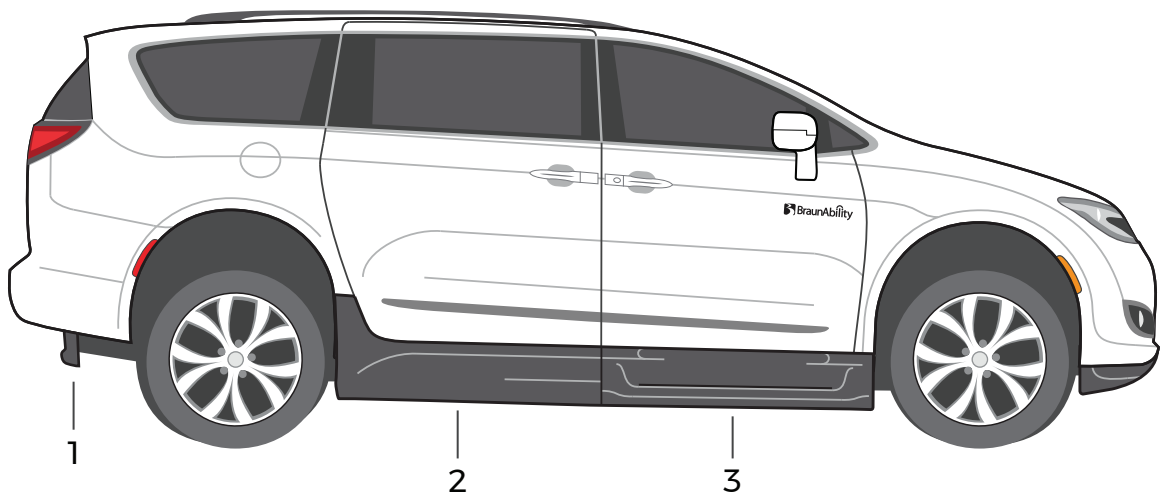
Replacement Parts - HVAC Lines

ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	A/C LINE-RETURN-RU REAR HVAC-RU ADA FO	509883
2	1	A/C LINE-HIGH PRESSURE-RU REAR HVAC-RU ADA FO	509884
3	1	HEATING LINE-SUPPLY-REAR HVAC-RU 56 IN FO	509882
4	1	HEATING LINE-RETURN-RU REAR HVAC-RU ADA FO	509881



### Replacement Parts - Exterior Panels

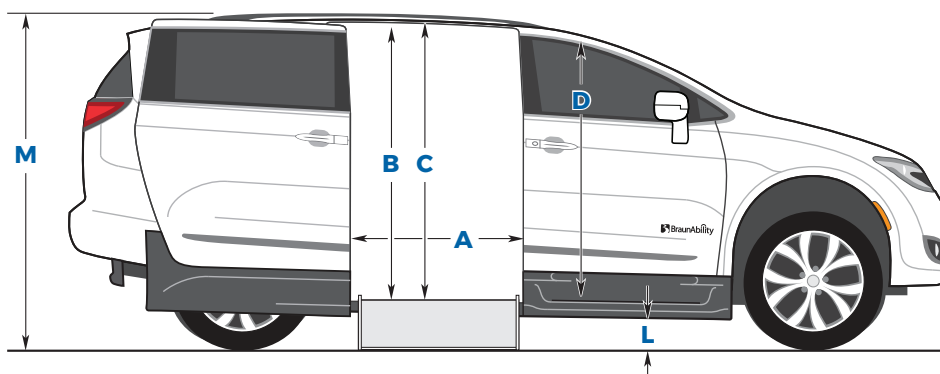
ITEM	QTY.	DESCRIPTION	PART NUMBER
1	1	FLARE-REAR COVER-52 INCH-RU/E2	506923
2	1	FLARE-LEFT REAR-RU ADA	509460
3	1	FLARE-LEFT FRONT-RU ADA	509459
4	1	FLARE-RIGHT REAR-RU ADA	509462
5	1	FLARE-RIGHT FRONT-RU ADA	509461
6	1	FLARE-FRONT BUMPER EXTENSION	506896



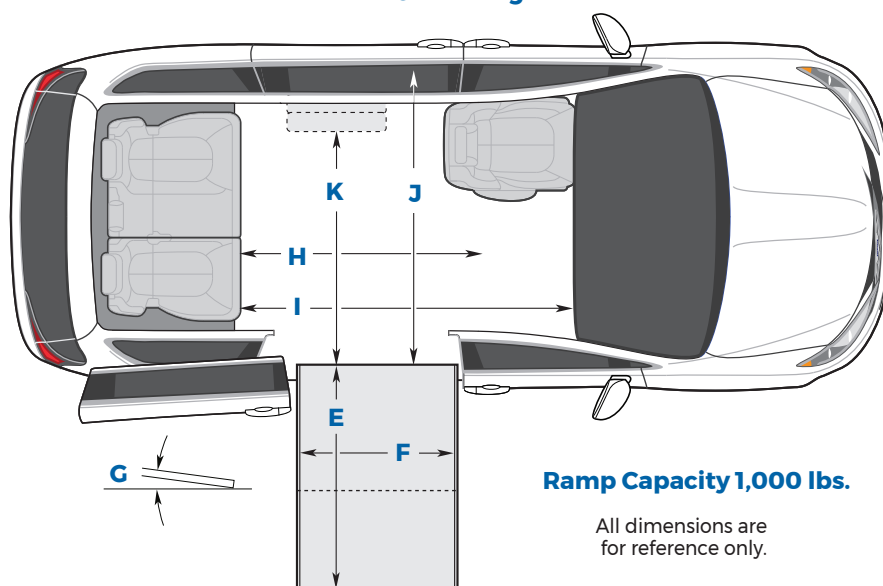


## DIMENSIONS

### Dimensions - Chrysler Voyager - Manual Foldout Ramp



Dimensions at Curb Weight



**Ramp Capacity 1,000 lbs.**

All dimensions are for reference only.

#### ADA Dimensions

		<b>Foldout Ramp</b>
Door Opening Usable Width (Minimum)	<b>A</b>	31.5"
Door Opening Usable Height (Slide Door)	<b>B</b>	56"
Interior Height at Center of Vehicle	<b>C</b>	60"
Interior Height at Driver and Passenger Position	<b>D</b>	60"
Ramp Length	<b>E</b>	52"
Ramp Width (Usable Clear Opening)	<b>F</b>	30"
Ramp Angle	<b>G</b>	13.75°
Interior Floor Length (Behind Front Seats)	<b>H</b>	67"
Overall Interior Floor Length (Flat Area)	<b>I</b>	99"
Interior Width at Slide Doors (Doors Closed)	<b>J</b>	63"
Width - Ramp (Deployed) to Optional 2-Passenger Seat (Stowed)	<b>K</b>	49"
Ground Clearance (Loaded) @ = GVWR lbs.	<b>L</b>	5"
Overall Vehicle Height	<b>M</b>	78"

Due to manufacturing tolerances both with the OEM vehicle and the conversion components, all dimensions may vary slightly from those shown.

# *Service Manual*

## Side-Entry Manual Foldout built on the Chrysler Voyager



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

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508990 Rev A

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May 2020



Side-Entry  
Manual Foldout  
built on the  
Chrysler Voyager



# *Operator's Manual*

508989 Rev A

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## Congratulations

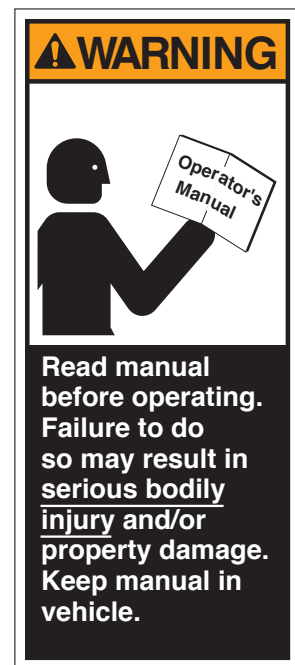
The BraunAbility® employee family thanks you for purchasing your new wheelchair accessible vehicle. We design and build each BraunAbility® vehicle for reliability, quality and safety. Our founder, Ralph Braun, instilled that ethic from day one, and we live by that commitment today.

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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## INTRODUCTION

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 wheelchair passengers and their attendant(s) 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.

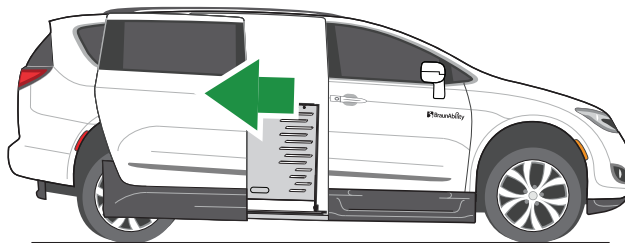
## OPERATION QUICK REFERENCE GUIDE

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### Operation Overview

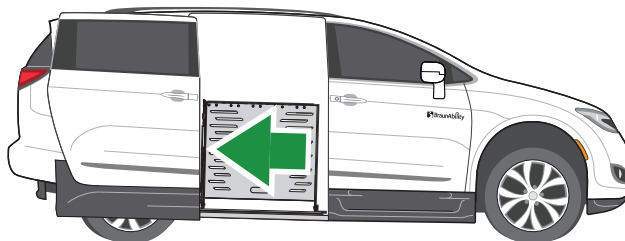
This overview provides a simplified explanation of operation. Read the entire manual for complete details. Contact Customer Care at 1-800-488-0359 if any of this information is not understood.

- 1 Open the slide door



### Operating Your Wheelchair Accessible Vehicle Couldn't Be Simpler . . .

- 2 Make sure the door is opened fully

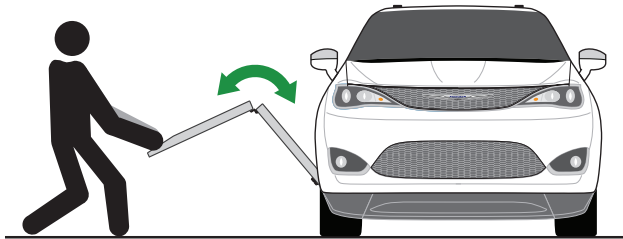




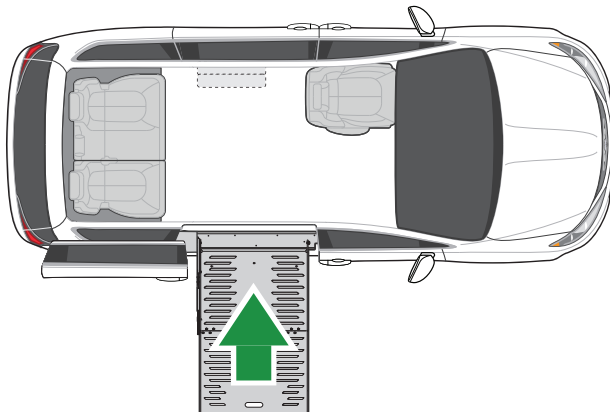
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## OPERATION QUICK REFERENCE GUIDE

- 3** Use hand hold to unfold the ramp



- 4** Allowing easy entrance!



### 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.

Note: Ramp operation details provided on pages 9-12.

## FEATURES

---

**Ramp Access Passenger Side Sliding Door:** ADA-compliant manual sliding door provides 56-1/4" vertical opening (with interlock and entrance lighting).

Note: The driver-side sliding door is lowered to provide clear passage also.

**Ramp:** The ADA-compliant manual swing-out ramp provides 30" usable width.

**Lowered Floor from Rear Axle to Toe Pan:** This feature provides additional headroom, and further reduces the slope of the ramp. 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.

**Ground Effects:** Exterior ground effect panels conceal the lowered floor and lowered sliding doors.

**Forward-Facing Wheelchair Tiedown and Occupant Restraint System:** Floor track (anchorage point) provided in the front passenger seat and midpoint lowered floor areas can be utilized for restraint of wheelchair passenger(s). See Figure 1 for anchorage point locations and wheelchair mounting positions (positions A and B).

One Forward-Facing Wheelchair Tiedown and Occupant Re-

straint 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 track (anchorage points). Additional restraint systems can be purchased (option).

Note: Wheelchair capacity may be limited based on the dimensions of specific wheelchairs and vehicle payload capacity.

**Driver Seat:** The OEM driver seat is mounted to a fixed (non-removable) seat base riser.

**Quick-Release Front Passenger Seat:** The front passenger seat is equipped with quick-release seat base attachments (making seat removal and installation procedures simple).

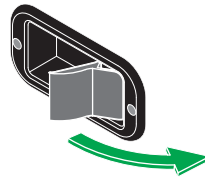
**Midpoint Fold-A-Way Seat:** A two-passenger fold-a-way seat is available as a midpoint seating option.

**Auxiliary Power Supply:** Two fuse blocks are provided as an auxiliary power source for dealer-installed aftermarket equipment (details on pages 52 and 53).

**Park Interlock:** The passenger side slide door must be fully closed before the transmission can be shifted out of Park.

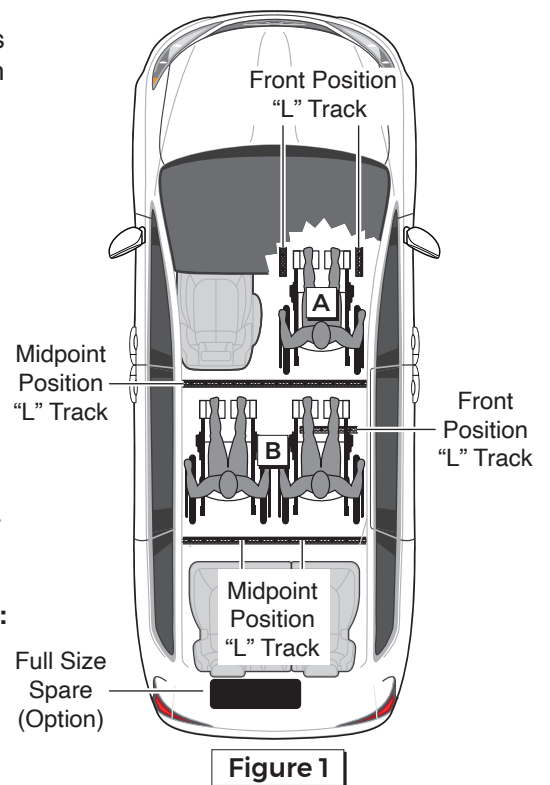
**Entrance Lighting:** The conversion is equipped with entrance lighting that functions in sync with the OEM interior lights (activated by doors, side door or dimmer control).

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



**Lift Gate Strap (Option):** A rear hatch assist strap is available as an option.

**Full Size Spare Tire (Option):** Interior mounted full side tire. See Figure 1.



**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**

**⚠ 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.

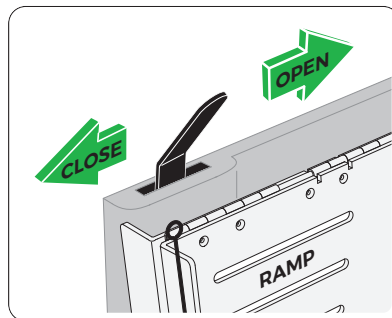
These symbols will appear throughout this manual and may appear on labels posted in your vehicle. Recognize the seriousness of this information.

**Before Operation**

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

**Ramp Access Sliding Door Operation**

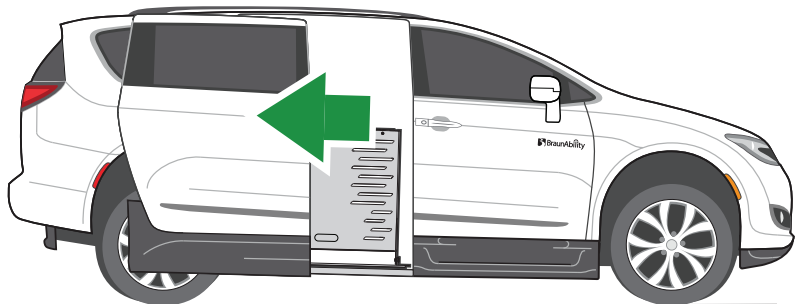
Open the passenger slide door from the outside using the OEM door handle. The ramp obstructs access to the OEM inside door handle. The OEM handle is equipped with an extension handle to operate the slide door from the inside. Always open the door smoothly. Avoid using excessive force when opening and closing the door.

**Door Handle Extension****Park Interlock**

The passenger side slide door must be fully closed before the transmission can be shifted out of Park.

**Entrance Lighting**

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



## OPERATION

---

### Ramp Operation

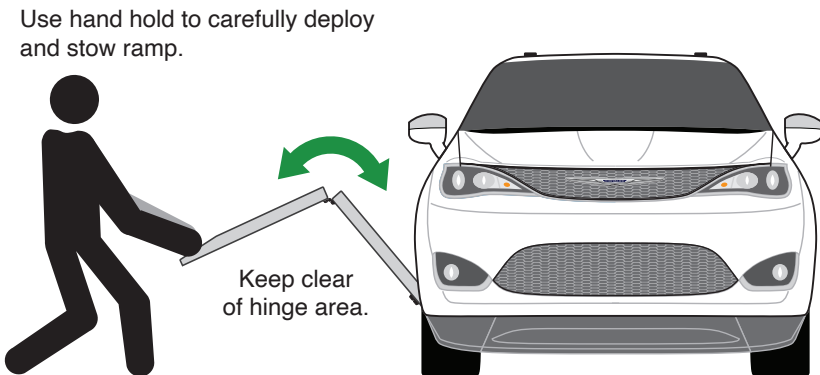
The term deploy (unfold) indicates the lowering motion of the ramp to the deployed position. Stow (fold) is the raising motion of the ramp to the vertical (stowed) position. Manually deploy and stow the ramp as outlined. The swing-out feature is detailed on page 12.

The ramp must be manually deployed and stowed by an attendant. An oval-shaped hand hold slot is provided for ramp operation. Carefully deploy and stow the ramp using the hand hold.

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.

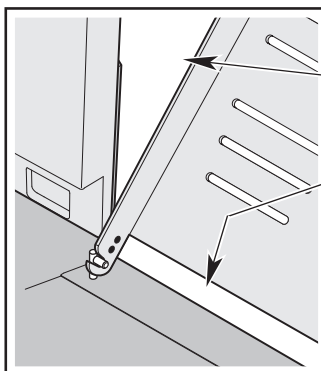
Do not release the ramp when deploying or stowing the ramp. The ramp will free-fall. Push the ramp out from inside the

vehicle only if an assistant is not available and it is absolutely necessary. The ramp will free-fall.

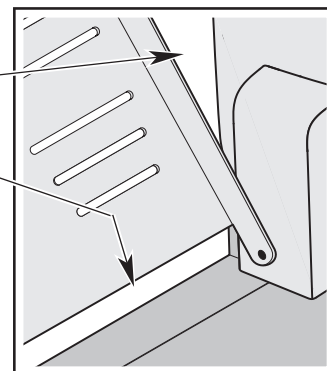


### Ramp Operation Safety

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 during operation



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



## OPERATION

### Swing Out Ramp

When in the stowed (vertical) position, the swing-out ramp can be manually rotated out of the slide door opening. This feature allows non-wheelchair access to the passenger side slide door opening.

The ramp assembly pivots (rotates) on two axles (top and bottom) when the ramp latch is disengaged. The front end of the ramp is secured to the vehicle floor with a spring-loaded latch.

The latch is activated by a release rod. The release rod is routed alongside the ramp front side plate. The rod is equipped with a loop release (see right). The release is located above the

ramp bi-fold hinge when the ramp is in the stowed (vertical) position. Lift up on the release to disengage the latch.

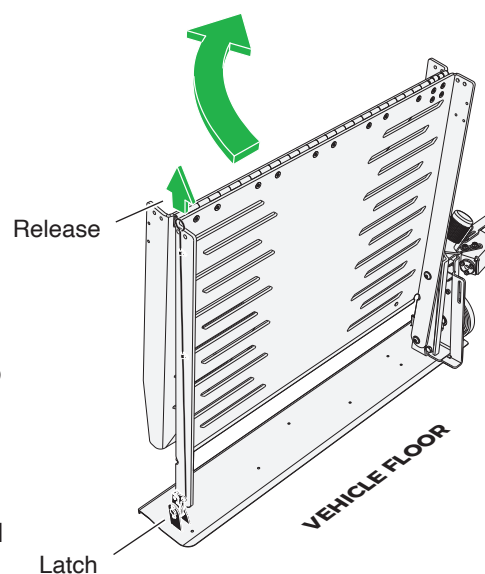
The sliding door must be opened fully before the ramp can be rotated (swung out).

Lift the release to unlatch the ramp. Manually rotate the ramp out as shown.

**Caution:** Do not force ramp open. Attempting to rotate the ramp beyond the mechanical range may result in damage to the ramp assembly.

**Caution:** Do not attempt to manually fold or unfold the ramp when the ramp is rotated out of vehicle.

Note: Ramp swings (rotates) outward from vehicle (shown from inside vehicle).





## 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 vehicle. 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 arm 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 18-35 for details.

# WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

## 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.

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 track (anchor points) provided in the front passenger seat and midpoint lowered floor areas can be utilized for wheelchair securement and restraint of wheelchair passenger(s).

The passenger seat can be removed and the seat location can be occupied by a wheelchair passenger.

See Figure 2 for “L” track locations (anchorage points) and wheelchair positions (Positions A and B).

Note: Wheelchair passengers shown at right depict the available seating positions. Wheel-

chair capacity may be limited based on the dimensions of specific wheelchairs and vehicle payload capacity.

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 track (anchorage points). Additional restraint systems can be purchased (option).

Refer to the following guidelines, illustrations, photos and instructions for proper use of the tie-down and restraint system.

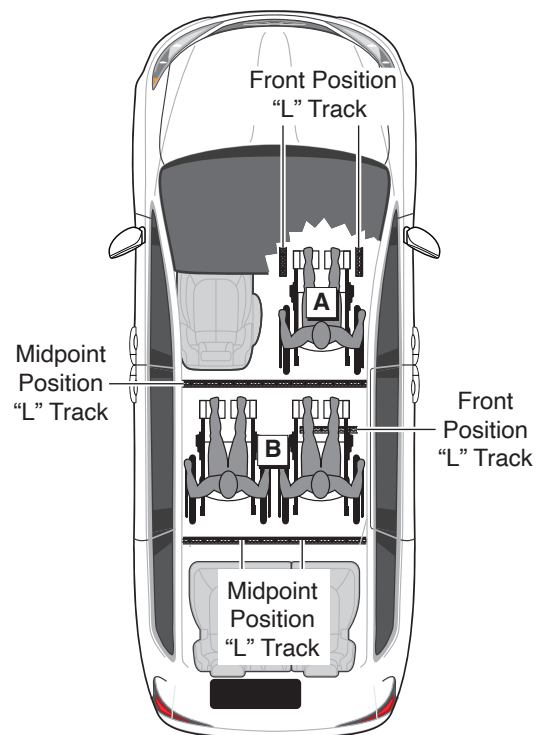
The conversion offers the following options for placement and securement of wheelchair passengers:

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

**Front Passenger Seat with Floor Track:** The passenger seat (Position A) can be removed and the seat location can be utilized by a wheelchair occupant.

**Midpoint Lowered Floor Area with Floor Track:** The Midpoint lowered floor area (Position B) can be utilized by wheelchair occupants (capacity limitations apply).

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



**Figure 2**

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

---

### Wheelchair Tiedown

Four adjustable over-center buckle straps are provided for securement of the wheelchair (two for the front and two for the rear).

The straps are equipped with one keeper fitting (attachment) which installs in the vehicle-mounted “L” track anchorage point (details on pages 24 and 25). 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 straps to detachable wheelchair components such as armrests or leg rests. Front and rear strap tension is required.

Refer to instructions on pages 24-35 for operation procedures.



### 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.

**Lap and Shoulder Belt Options:** An OEM upper torso lap and shoulder belt harness is typically used in conjunction with the stand alone lap belt extension for restraint of a wheelchair passenger. Wheelchair components may restrict or prohibit use of the OEM lap and shoulder belt in some cases. A multi-piece chest and waist belt assembly is supplied as an option for wheelchair passenger restraint when use of the OEM lap and shoulder belt is restricted.

---

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Occupant Restraint

#### OEM Lap and Shoulder Belt

One adjustable lap belt extension is supplied for use with the OEM lap and shoulder belt (shown at right). The extension belt is equipped with a keeper fitting (anchor point) which installs in the vehicle-mounted “L” track. A female receptacle is positioned on the opposite end of the extension for attachment to an OEM factory-installed upper torso lap and shoulder belt.

The adjustable lap belt extension is supplied with all conversions. A rigid cable style lap belt extension is available as an option (non adjustable). Attachment procedures are identical for both types of lap belt extensions. See the instructions on pages 28-31.

Operate the OEM lap and shoulder belt as instructed in your OEM owner’s manual. Connect the OEM lap and shoulder belt to the lap belt extension. Position the upper torso (shoulder) belt across the center of the shoulder. Position the lap belt low across the front of the pelvis (near hip). See the instructions on pages 28-31.

Follow all restraint safety precautions and instructions provided in the OEM owners manual and supplied by the belt manufacturer.

Adjustable  
Lap Belt  
Extension  
(supplied)



Rigid  
Lap Belt  
Extension  
(optional)



Note: An adjustable lap belt extension is supplied. A rigid lap belt extension is available as an option.

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 instructions on pages 32-35.

Wheelchair tiedown straps provide a short belt assembly equipped

with a lap belt attachment (pin fitting connector). See photo on page 20. Connect the lap belt slotted fitting to the mating pin fitting (engage pin in slot). Adjust lap belts as needed using belt adjuster.

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





---

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

Connect the adjustable shoulder belt upper pin fitting to the wall-mounted shoulder belt adaptor female fitting (engage pin in slot). Connect the shoulder belt lower slotted female fitting to the male lap belt pin fitting (engage pin in slot). Adjust shoulder belt as needed using belt adjuster. See photos at left and instructions on pages 32-35.

### Strap, Belt and Track 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. "L" track 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 track, discontinue use and replace components immediately.

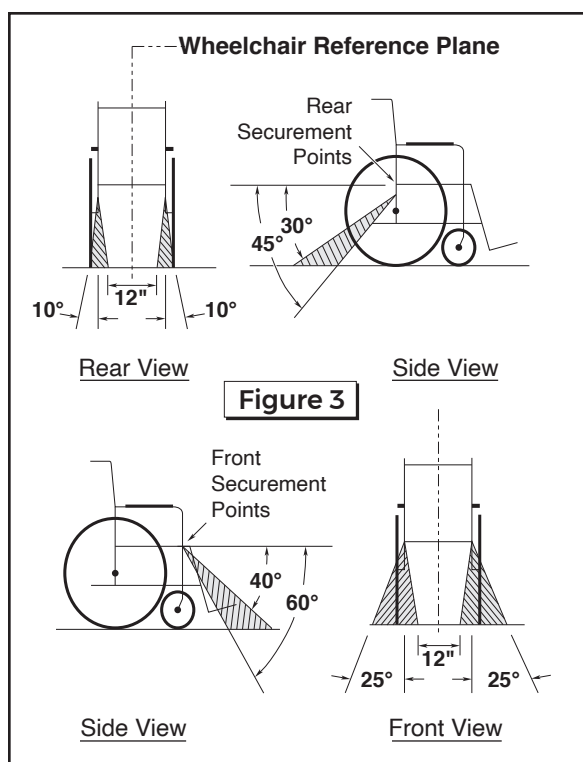
Follow all inspection and maintenance instructions supplied by the belt manufacturer. Severe conditions (weather, environment, heavy usage, etc.) may require more frequent inspections. Exposure to severe conditions will dramatically reduce the life of the system.

### 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.

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

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

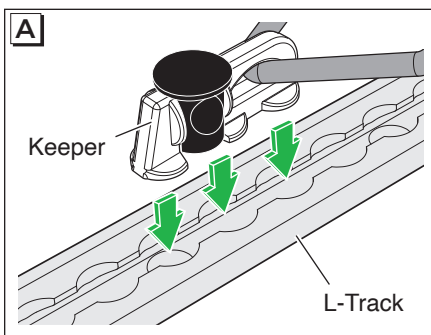


### Tiedown Strap Angles

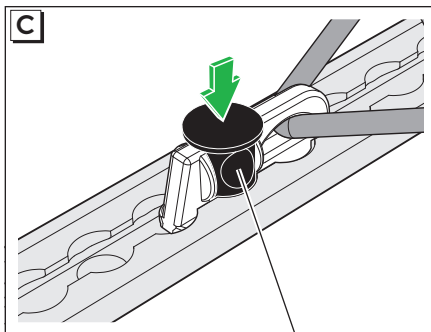
Locate wheelchair in forward-facing position centering wheelchair squarely within "L" track. The front and rear straps, when attached, should create angles approximately as shown in Figure 3. Preferred angles and locations of straps from wheelchair securement points to vehicle anchor points are shown. Note: These are optimum angles and cannot be achieved in some cases.

### Keeper Fitting and "L" Track Attachment Instructions

The straps supplied in the Forward-Facing Wheelchair Tiedown and Occupant Restraint System are equipped with keeper fittings (attachments) which engage the "L" track (anchorage points). Engage and release the keeper fittings as detailed and shown on the following page. Note: Refer to pages 24-35 for strap attachment and release procedures.



Align engagement feet with holes.



Fully-engaged Plunger

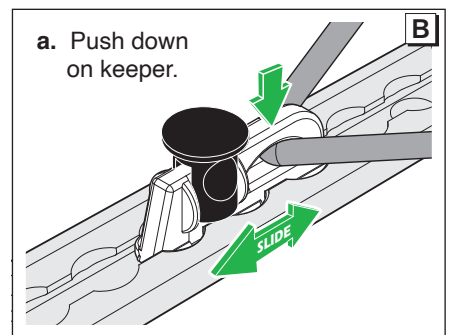
### Keeper Fitting and “L” Track Attachment Instructions

#### To Engage Keeper Fitting:

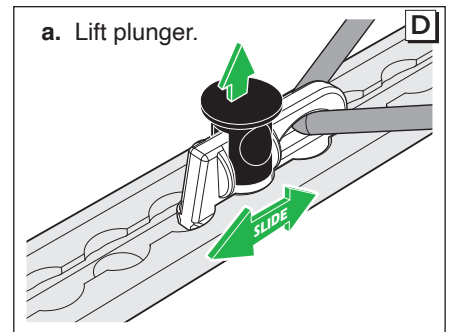
1. Insert keeper fitting into track (align engagement feet with holes in L-Track). See Figure A.
2. Push down on fitting and slide fitting in either direction until it clicks and locks in position (see Figures B and C). Pull firmly on strap to ensure fitting is locked in track.

#### To Release Keeper Fitting:

Lift plunger and slide fitting in either direction and lift fitting out of track. See Figure D.



b. Slide keeper in either direction.



b. Slide keeper and lift.

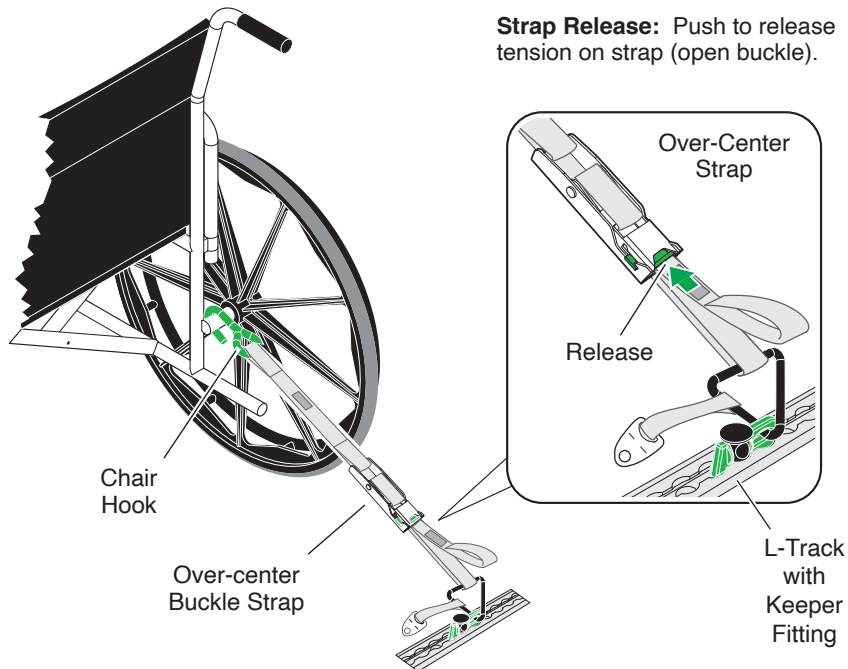
## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Over-Center Strap Attachments

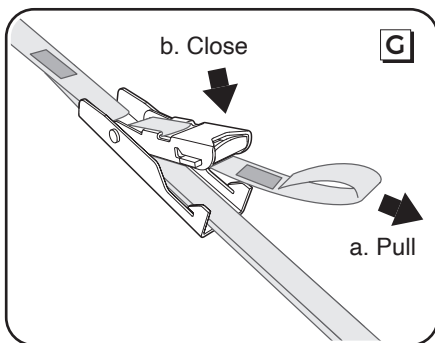
1. Place wheelchair facing forward in securement area. Apply wheel brakes or turn power off.
2. Attach the four tiedown hooks to solid frame members or weldments, near seat level (securement points). Ensure tiedowns are fixed at approximately 45 degrees, and are within angles shown in Figure 3 on page 24. Do not attach hooks to wheels, plastic or removable parts of wheelchair.
3. Position and connect strap keeper fitting (attachment) to appropriate track anchorage point (slots). Attach keeper as detailed on page 25. Pull firmly on strap to ensure fitting is locked in track.

### Wheelchair Tiedown

Figure 4



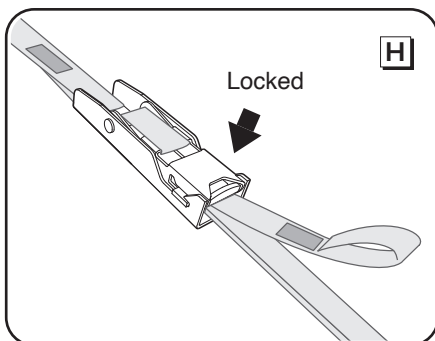
## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



### Wheelchair Tiedown

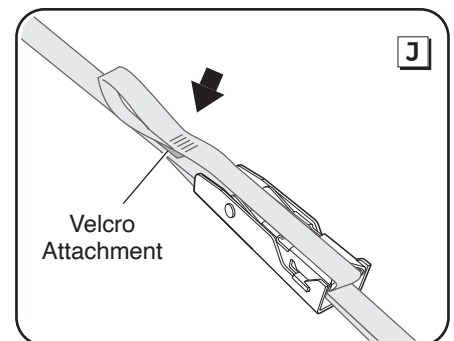
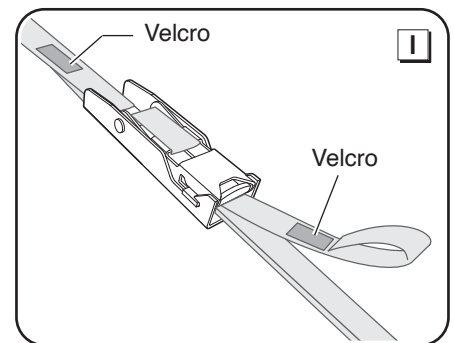
4. With buckle open, pull loose end of strap until tight (see Figure G). While holding the loose end with one hand, close the buckle until it locks. See Figures G and H.

5. Connect Velcro™ strips to keep excess strap off floor. See Figures I and J.

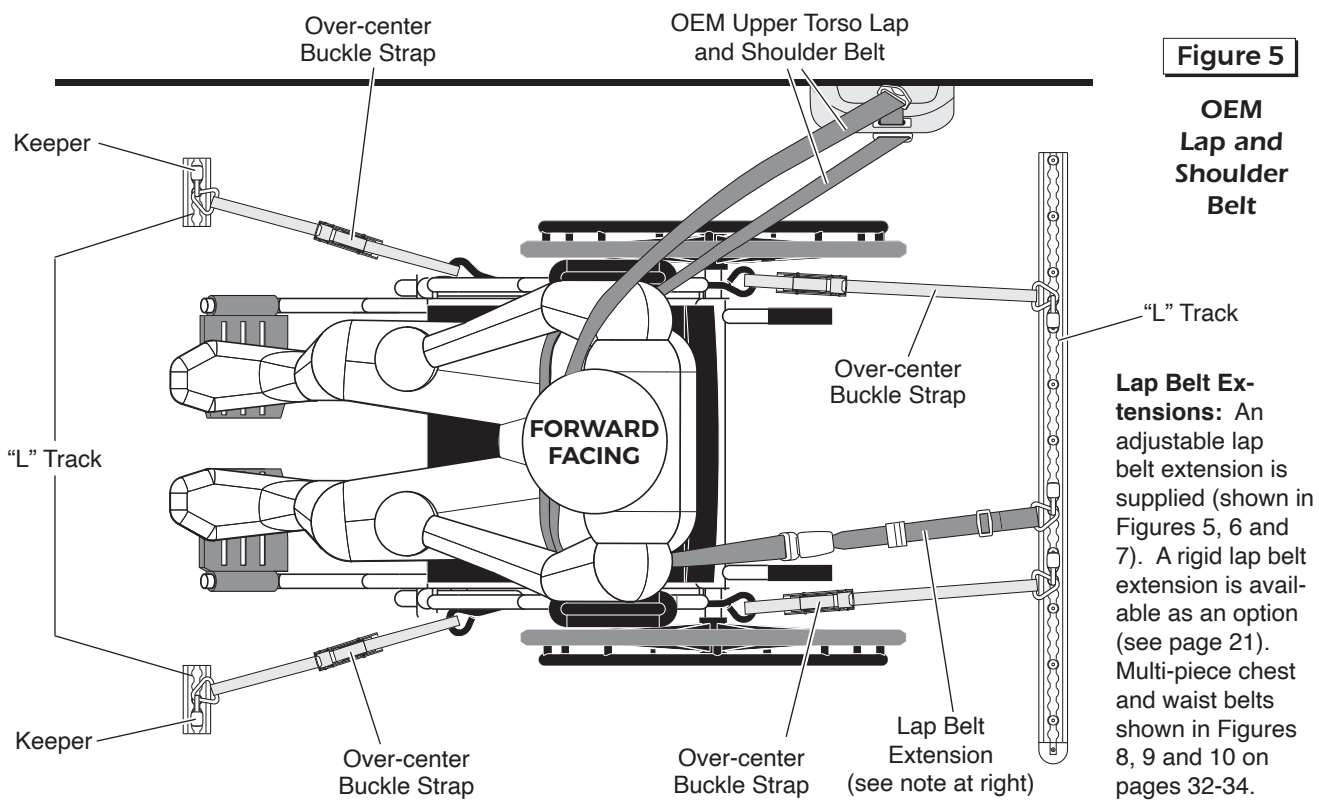


Repeat procedures for all tiedown straps.

Note: Check to see that front and rear straps are tight and the chair does not have any movement.



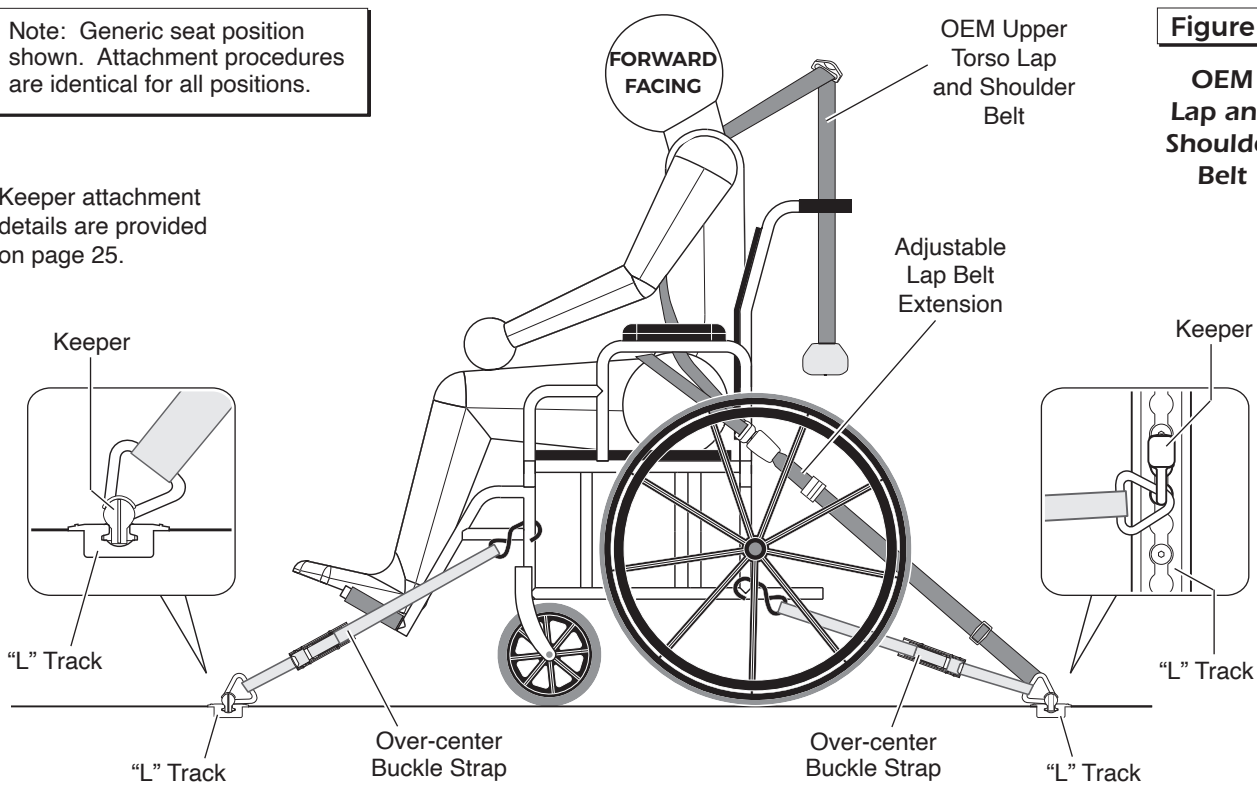
WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT



## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

Note: Generic seat position shown. Attachment procedures are identical for all positions.

Keeper attachment details are provided on page 25.



**Figure 6**

**OEM  
Lap and  
Shoulder  
Belt**

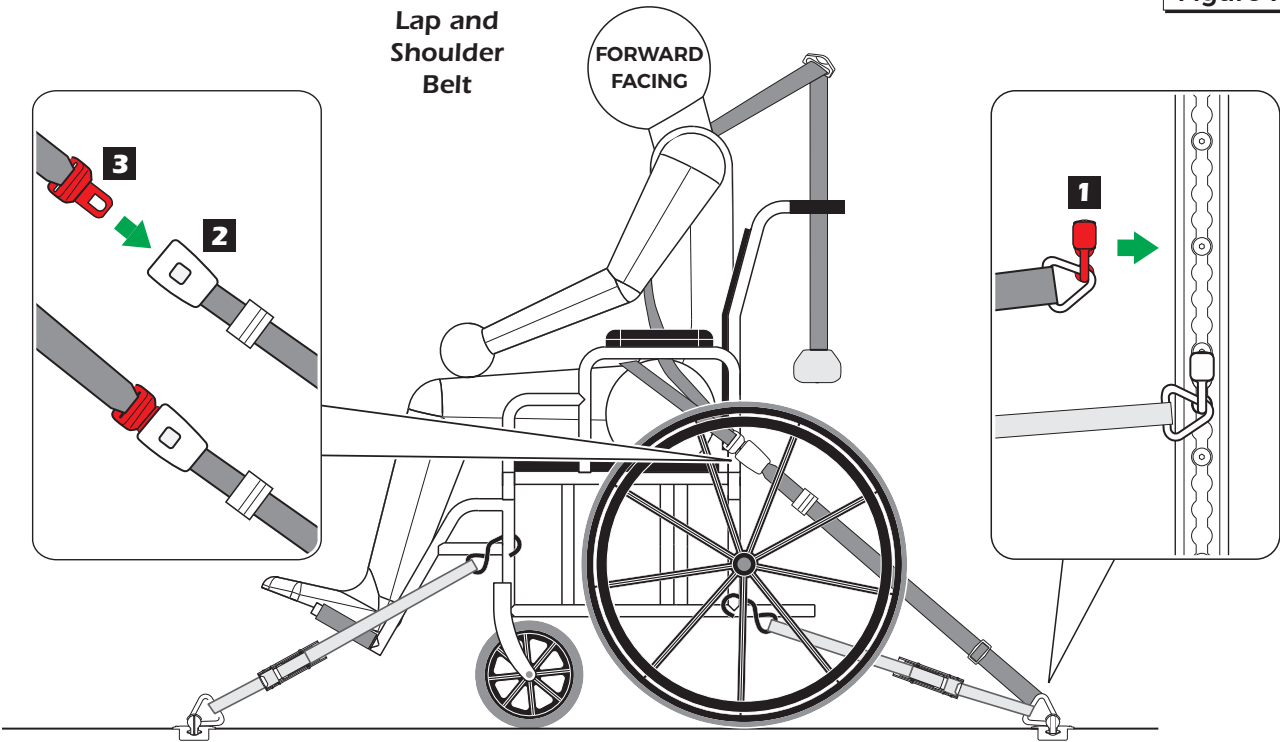
WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

Occupant Restraint

OEM  
Lap and  
Shoulder  
Belt

FORWARD  
FACING

Figure 7





---

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Occupant Restraint

**OEM Lap and Shoulder Belt:** OEM lap and shoulder belts are addressed on pages 28-31. Refer to pages 32-35 for multi-piece chest and waist belts.

#### Lap and Shoulder Belt Attachments

1. **Attach Lap Belt Extension** - On the aisle side, attach lap belt extension with female buckle to L-track with keeper fitting **1**. Feed lap belt extension with integrated stiffeners through openings between seat backs and bottoms, and/or armrests to ensure proper belt fit around occupant.
2. **Attach OEM Upper Torso Lap and Shoulder Belt**

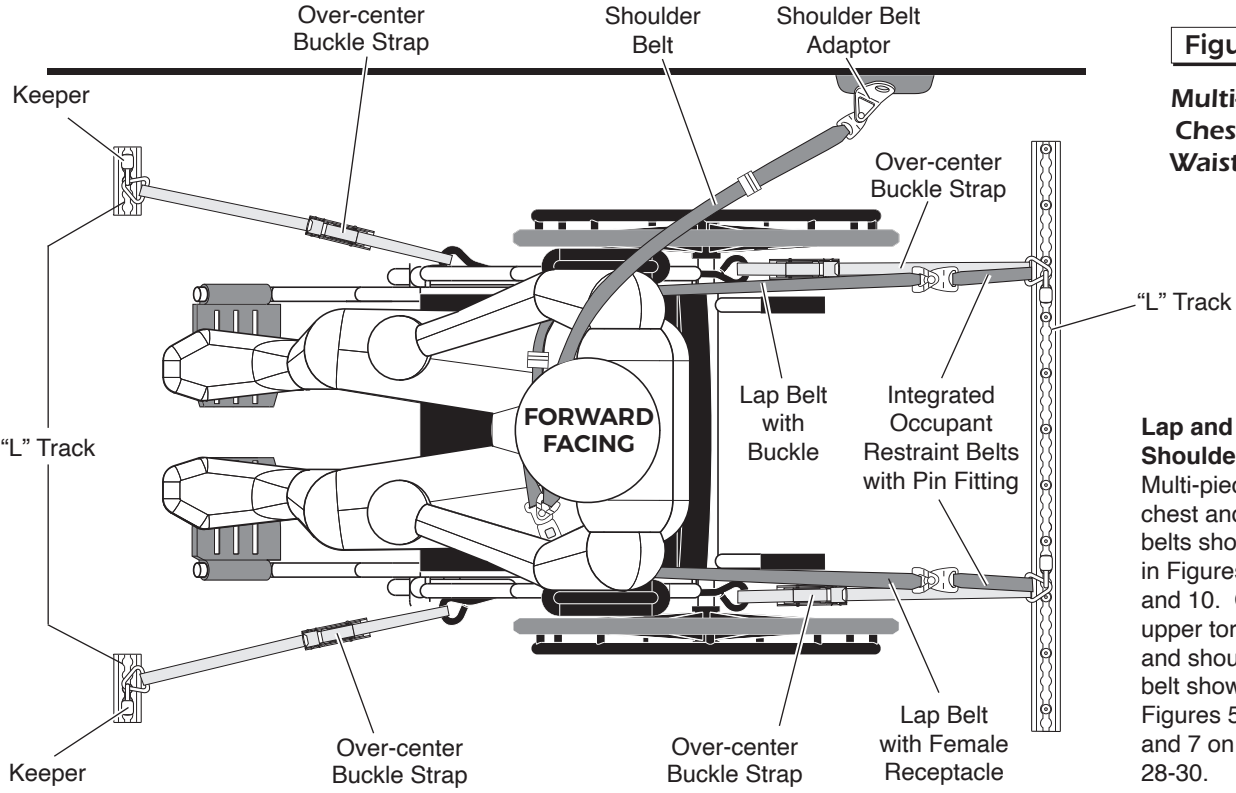
Extend shoulder belt over passenger's shoulder and lap belt across torso. Attach combination lap / shoulder belt with male tongue **3** into female buckle **2**.

Note: OEM lap / shoulder belts serve as both window-side lap belt and shoulder belt.

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**



**Figure 8**

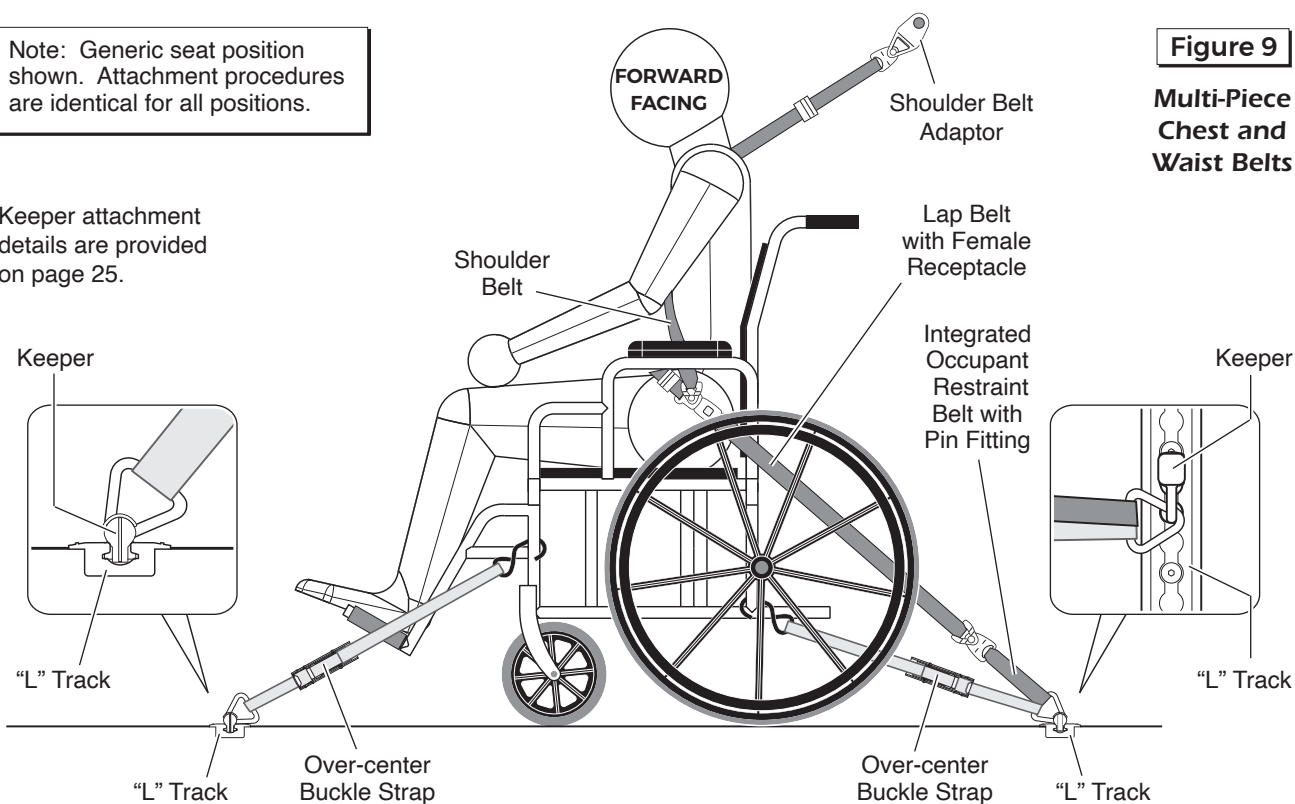
**Multi-Piece  
Chest and  
Waist Belts**

**Lap and  
Shoulder Belt:**  
Multi-piece  
chest and waist  
belts shown  
in Figures 8, 9  
and 10. OEM  
upper torso lap  
and shoulder  
belt shown in  
Figures 5, 6  
and 7 on pages  
28-30.

## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

Note: Generic seat position shown. Attachment procedures are identical for all positions.

Keeper attachment details are provided on page 25.



**Figure 9**

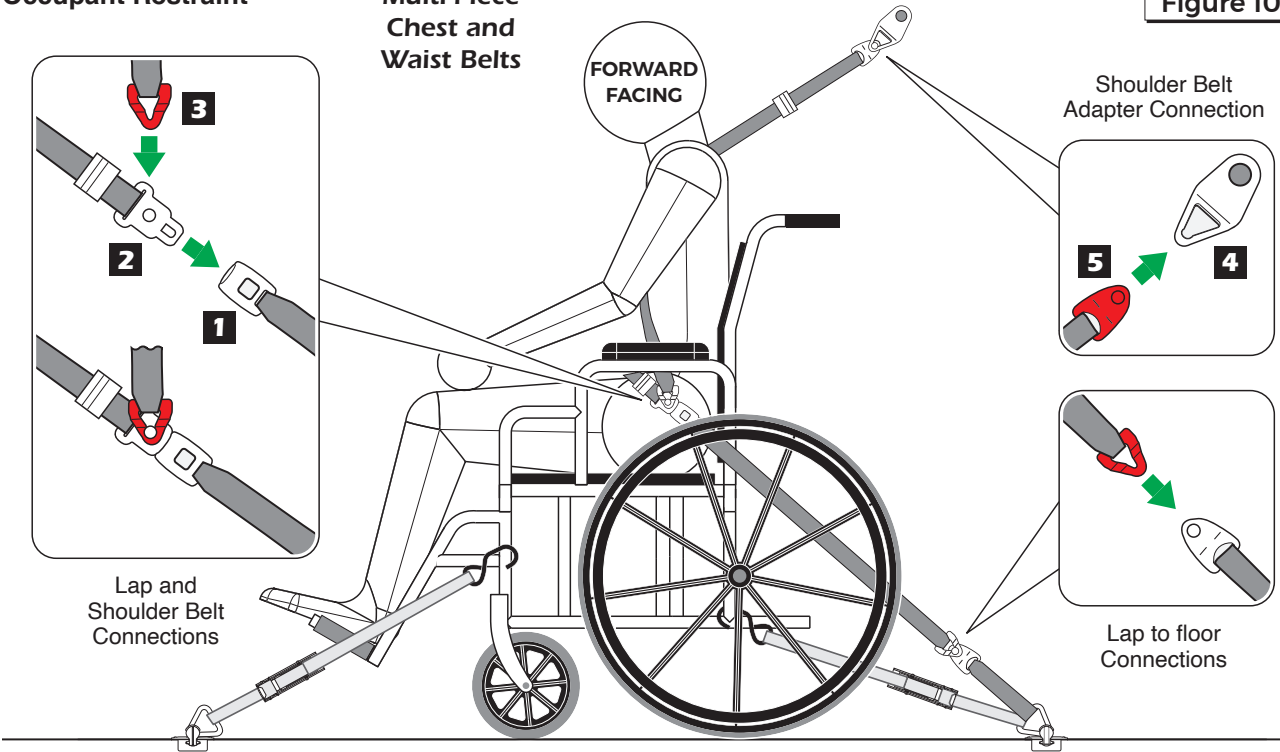
**Multi-Piece  
Chest and  
Waist Belts**

**WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT**

**Occupant Restraint**

**Multi-Piece  
Chest and  
Waist Belts**

**Figure 10**



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## WHEELCHAIR TIEDOWN AND OCCUPANT RESTRAINT

### Occupant Restraint

**Multi-piece Chest and Waist Belts:** Multi-piece belts are addressed on pages 32-35. Refer to pages 28-31 for OEM upper torso lap and shoulder belt details.

### 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.

## SEAT OPERATION / REMOVAL / INSTALLATION

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**Driver Seat:** The OEM driver seat is mounted to a fixed (non-removable) seat base riser.

**Quick-Release Front Passenger Seat:** In an effort to produce vehicles that can be configured to meet a variety of customer needs, the passenger

seat base has been designed so it can be removed. This feature allows the owner and sales representative to determine the appropriate seating arrangement to accommodate owner needs.

The passenger side front seat is equipped with quick-release seat base attachments that engage recessed floor strikers. Remove and install seat as detailed on pages 38-45.

**Power Seats:** Front seats are equipped with electrical wiring harnesses to accommodate air bags and optional equipment such as climate controlled seats, heated steering wheel, etc. Before removing seats, be certain all seat electrical harnesses are disconnected.

When front passenger seat is removed, the seat electrical harness plug must be connected to the receptacle provided in the seat base. Seat wiring harness details are provided on pages 39-41.

When positioning seats, it is your responsibility to reconnect all seat electrical harnesses.

**Air Bag Light:** Failure to properly connect power seat electrical harnesses may result in power seat functions being disabled and/or the air bag light illuminating.

### WARNING

**Park vehicle and turn engine off before removing or installing seats. Failure to do so may result in serious bodily injury and/or property damage.**

**⚠ CAUTION**

**Disconnect seat wiring harness before removing seat. Failure to do so may result in property damage.**

**⚠ WARNING**

**Connect front seat wiring harness plug to socket provided in the seat base before removing front seat. Failure to do so may result in serious bodily injury and/or property damage.**

**Floor Mats:** The floor mats supplied with this vehicle were specifically designed for use on the OEM (non-modified) vehicle floor in conjunction with OEM seats. The floor mats are not compatible for use with front seat bases modified for lowered floor application (with riser).

Do not use a floor mat at the front driver seat position when the conversion seat is installed. Improperly fitted and/or secured floor mats can potentially interfere with the operation of the accelerator or brake pedals, resulting in an accident.

Contact your sales representative or call Customer Care at 1-800-488-0359 if any of this information is not understood.

**⚠ WARNING**

**Use of a floor mat with the front driver conversion seat base may result in serious bodily injury and/or property damage.**

## SEAT OPERATION / REMOVAL / INSTALLATION

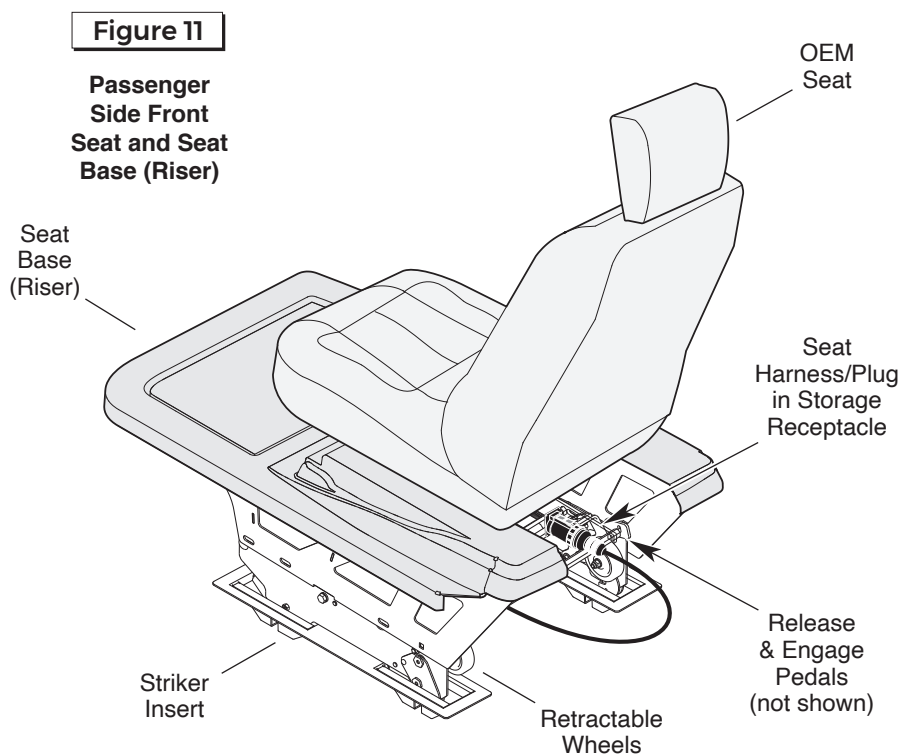
### Passenger Front Seat Base

Quick-release seat base (riser) attachments engage recessed floor strikers. A foot-activated release pedal is located at the rear of the seat base. Stepping on the release pedal disengages the attachments and deploys the seat base rear wheels.

A seat engagement pedal is provided also. Stepping on the engagement pedal engages (locks) the attachments and retracts the seat base rear wheels.

Release and engagement pedals are depicted on pages 42-45.

The seat removal and installation procedures are detailed on pages 42-45.





### Snap-in Seat Connectors

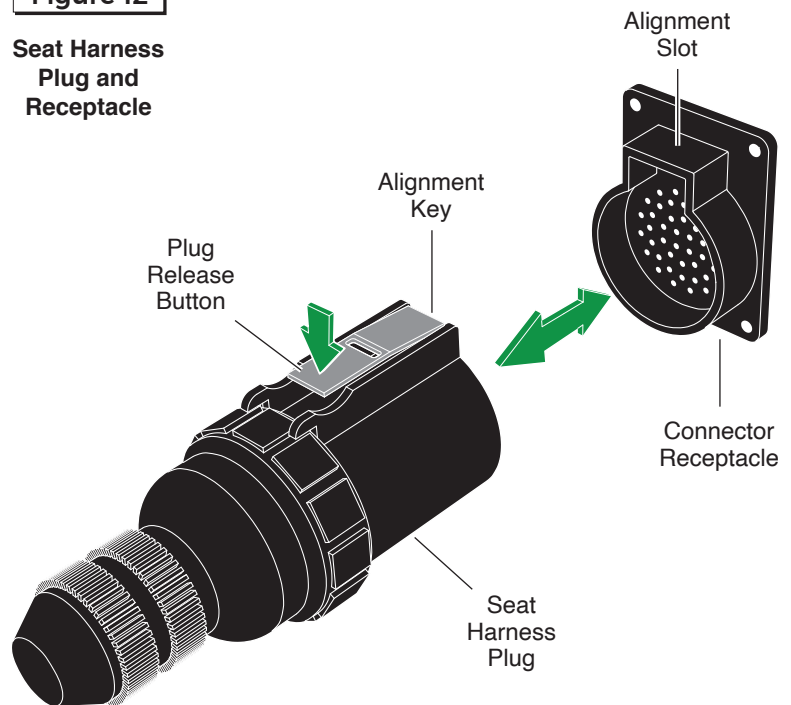
Front seat wiring harnesses are equipped with a push button release snap-in connector (plug). Operate connectors as detailed here. See pages 40 and 41 for the location of the harness plug, B-Pillar receptacle and storage receptacle (front passenger seat only).

**To Disconnect:** Press down seat harness connector release button to disengage connectors.

**To Connect:** Align the seat harness connector alignment key (guide) with the receptacle socket alignment slot (will only connect one way). Carefully insert the seat harness plug in the receptacle socket. Seat harness connector will lock into socket.

**Figure 12**

**Seat Harness Plug and Receptacle**



**SEAT OPERATION / REMOVAL / INSTALLATION**

**Front Seat Wiring Harness & B-Pillar Receptacle**

An electrical harness receptacle is located to the rear of each seat base in the wall (at “B” pillar). The seat wiring harness plug connects to the receptacle socket.

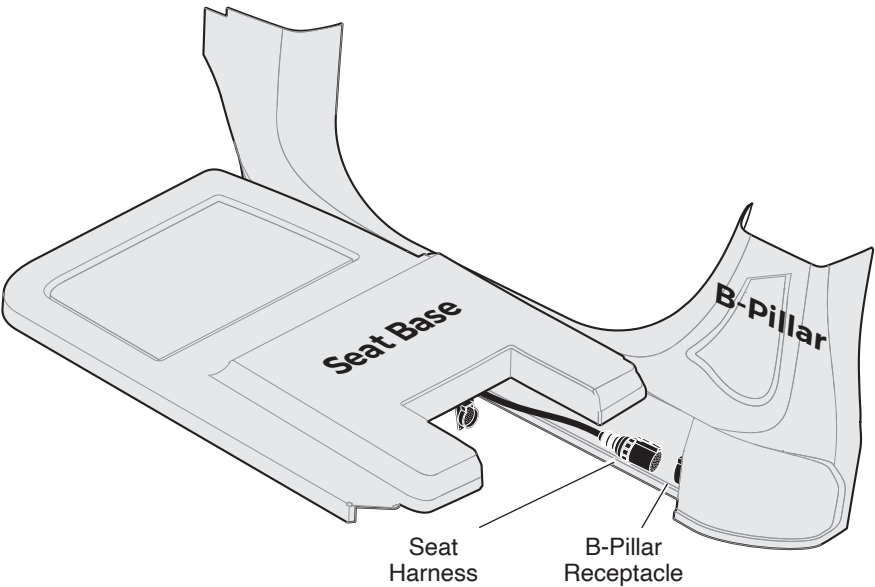
Before removing seats, be certain seat wiring harnesses are disconnected.

**⚠CAUTION**

**Disconnect seat wiring harness before removing seat. Failure to do so may result in property damage.**

**Figure 13**  
**Seat Harness B-Pillar Connection**

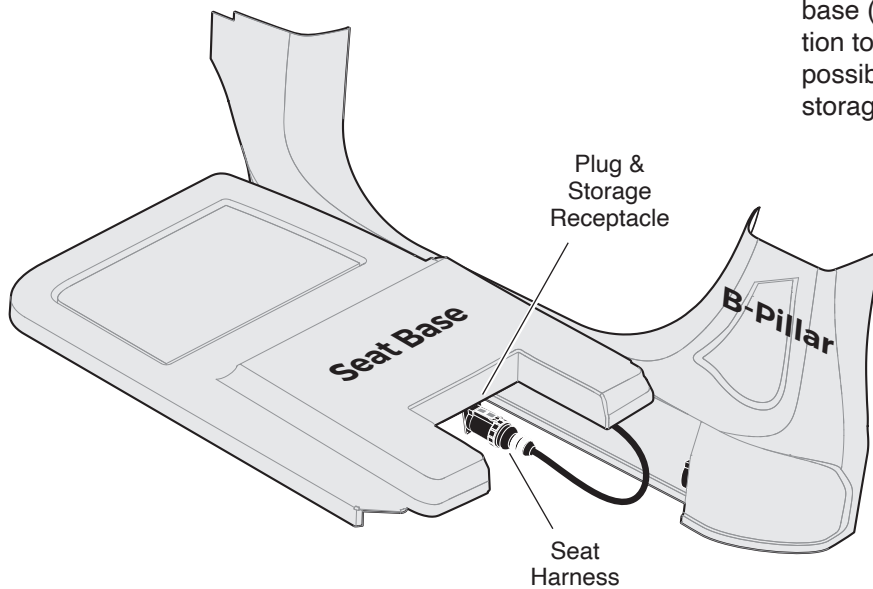
Seat base (riser) shown without seat and lower mechanism for clarity.  
Front passenger seat shown.



**Figure 14****Seat Harness  
Storage  
Connection**

Seat base (riser) shown without seat  
and lower mechanism for clarity.

Front passenger seat shown.

**Harnesses Seat Base Storage Receptacle**

When seats are removed, the seat electrical harness plug must be connected to the storage receptacle provided in the seat base (front passenger seat only). Connection to storage receptacle will minimize the possibility of seat air bag deployment during storage.

**⚠ WARNING**

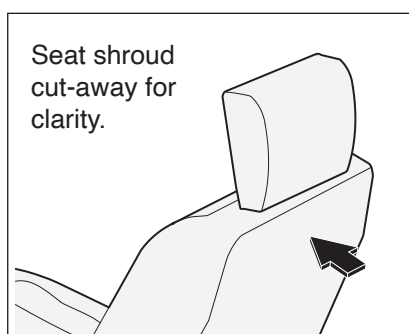
Connect front seat wiring harness plug to socket provided in the seat base before removing front seat. Failure to do so may result in serious bodily injury and/or property damage.

## SEAT OPERATION / REMOVAL / INSTALLATION

### Passenger Front Seat Base

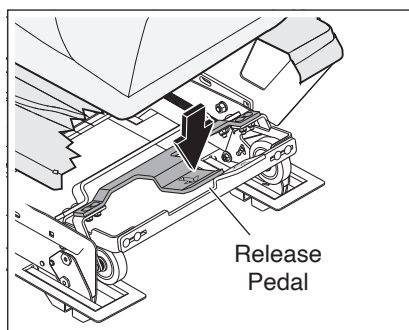
Quick-release seat base (riser) attachments engage recessed floor strikers. A foot-activated release pedal is located at the rear of the seat base. Stepping on the pedal disengages the attachments and deploys the seat base rear wheels.

Note: For ease of disengagement, move the seat to the full forward and upright position before removing seat. Push the seat back forward and upward while stepping on release foot pedal (ensures full deployment of rear wheels).



Seat shroud cut-away for clarity.

Push seat back forward and upward while stepping on foot pedal.

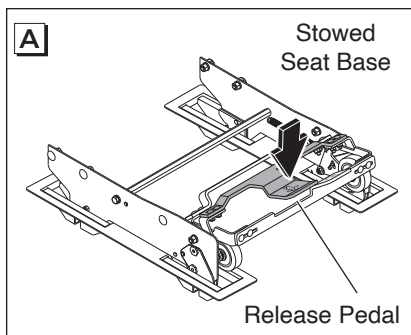


Release Pedal

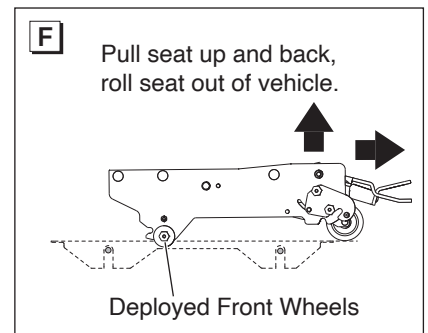
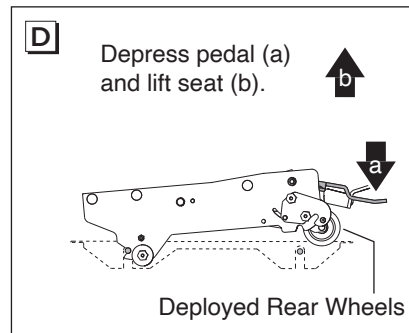
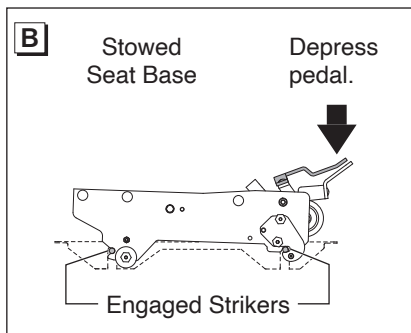
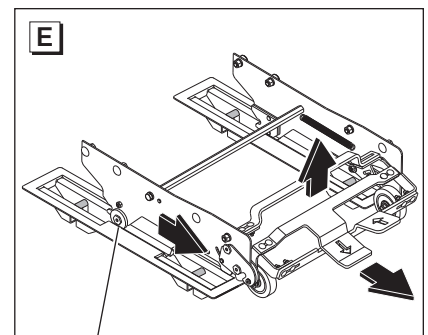
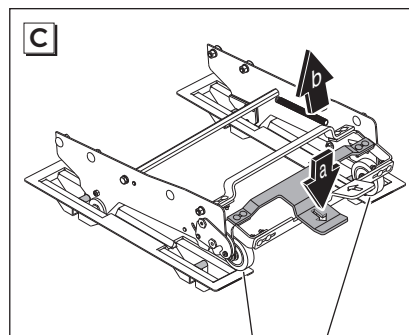
### Removal Instructions

1. Move seat to full forward and upright position.
2. Caution! Disconnect seat wiring harness before removing seat base. Connect harness to seat base socket. See pages 39-41 for wiring harness details.
3. Depress release pedal (push down until it locks). Note: Push seat back forward and upward while stepping on release pedal (shown at left). See Figures A-D.
4. Pull up and back on the rear of seat (deploy front wheels). See Figures E and F.
5. Roll seat base out of vehicle as shown.

## SEAT OPERATION / REMOVAL / INSTALLATION



Illustrations depict seat base only.



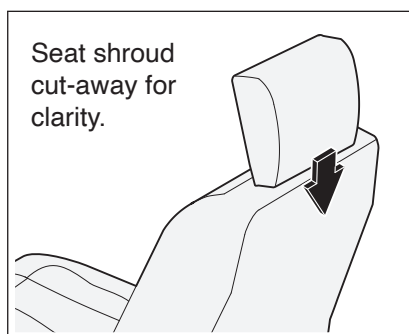
## SEAT OPERATION / REMOVAL / INSTALLATION

### Passenger Front Seat Base

Quick-release seat base (riser) attachments engage recessed floor strikers. A foot-activated engagement pedal is located at the rear of the seat base. Stepping on the engagement pedal engages (locks) the attachments and retracts the seat base rear wheels.

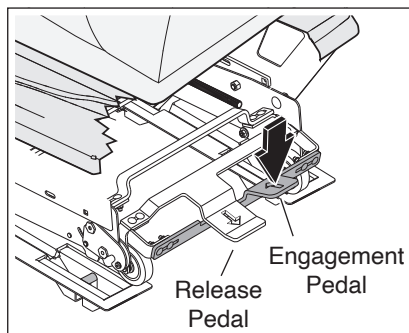
#### **⚠ WARNING**

**Seat attachments must be fully latched in floor supports before occupying seats or operating vehicle. Failure to do so will result in serious bodily injury.**



Seat shroud cut-away for clarity.

Push seat back downward while stepping on foot pedal.



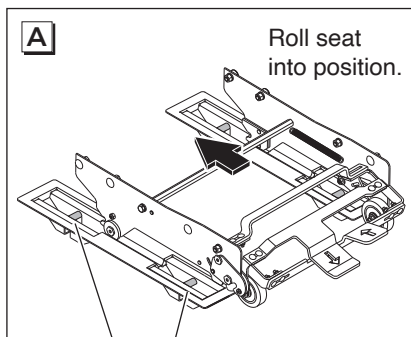
### Installation Instructions

1. Roll seat base into position, just behind the floor mounted strikers. See Figures A and B. Move seat base forward to engage front strikers. See Figures C and D.

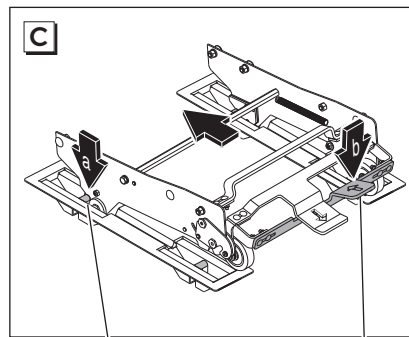
Note: Position outside of seat base alongside wall panel for easy alignment.

2. Depress rear engagement pedal (push down) to stow rear wheels and engage rear seat attachments with floor strikers. See Figures C-F. Lift seat to ensure floor strikers are locked in seat attachments.
3. Connect (plug) seat electrical harness to B-pillar receptacle. See page 40.

## SEAT OPERATION / REMOVAL / INSTALLATION

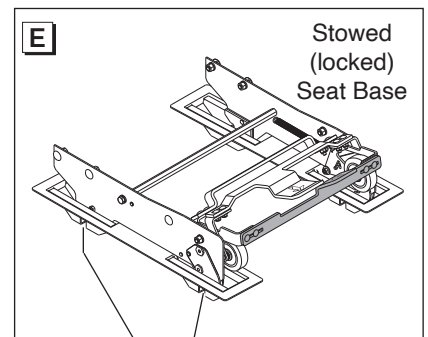


Floor Strikers

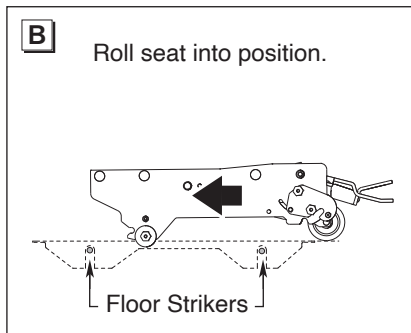


Engaged Front Strikers

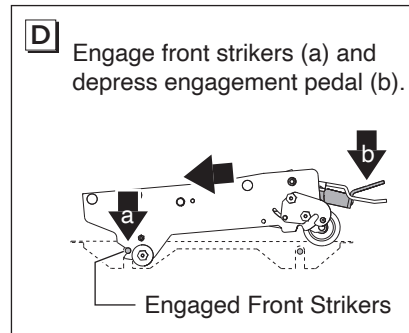
Engagement Pedal



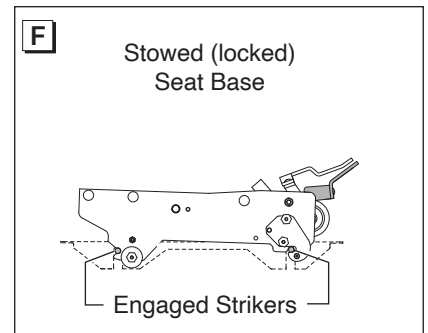
Engaged Strikers



Floor Strikers



Engaged Front Strikers



Engaged Strikers

## SEAT OPERATION / REMOVAL / INSTALLATION

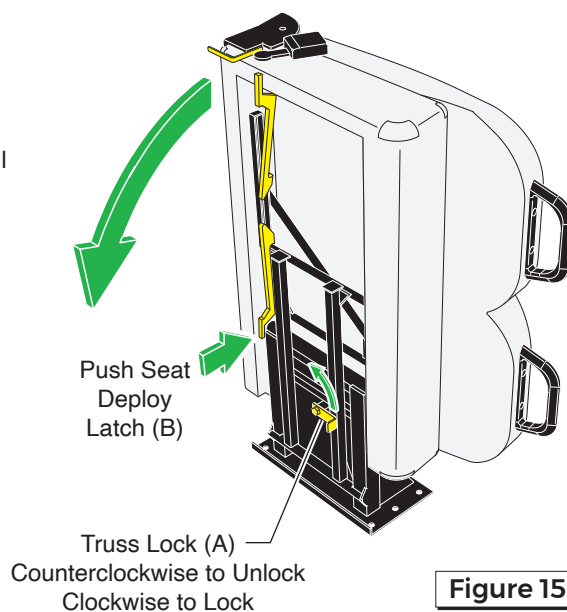
### Midpoint Fold-A-Way Seat

A two-passenger fold-a-way seat is available as a midpoint 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 15**



## SEAT OPERATION / REMOVAL / INSTALLATION

### Seat Back

To Deploy (Raise) Seat back:

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

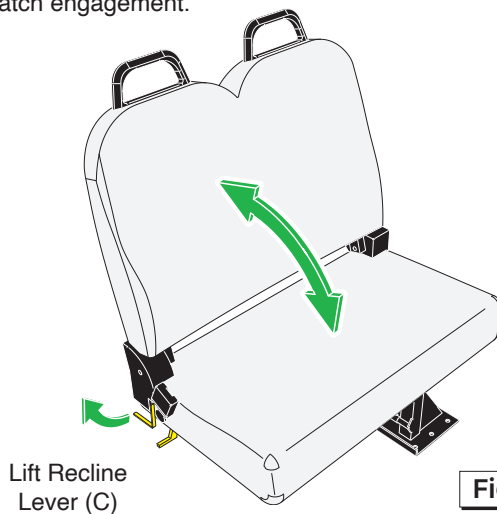


Figure 16

To Stow (Lower) Seat back:

Lift 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 locked).
2. Rotate truss lock (A) clockwise to lock seat. See Figure 15.

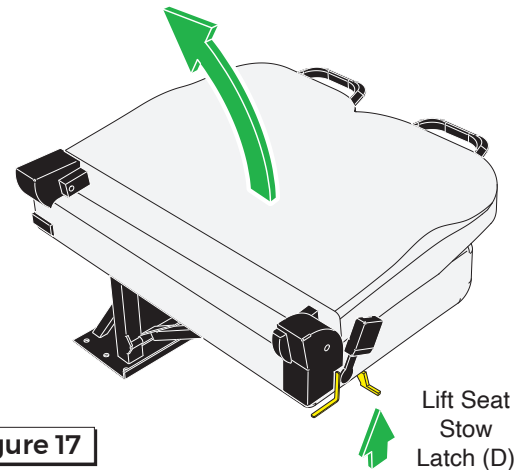


Figure 17

## SEAT REMOVAL AND INSTALLATION

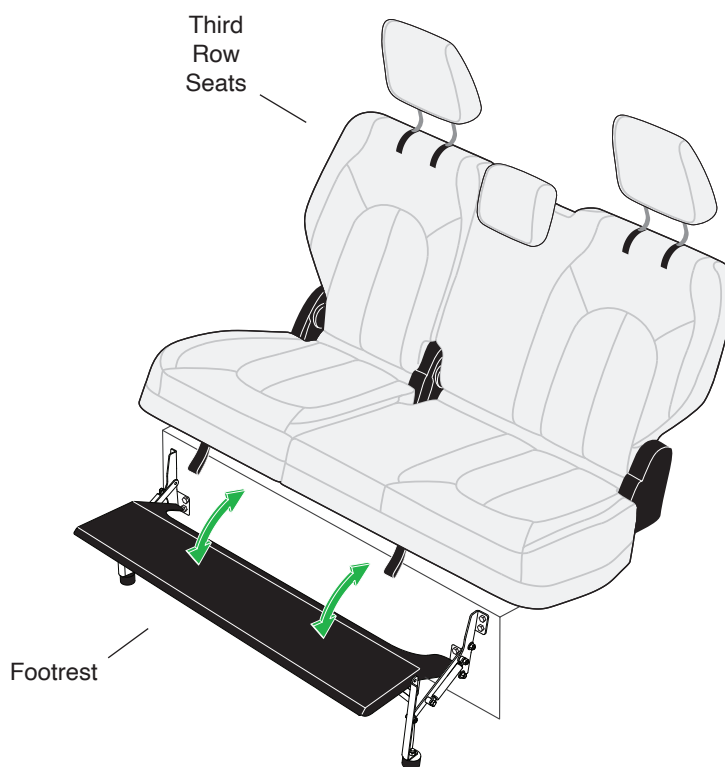
### Third Row Seats

OEM third row seat functions have been affected by the conversion. The third row seats "tilt forward" lever has been disabled. The Auto-Stow button has been disabled and the Stow 'n Go™ seat storage system has been removed. Third row seats retain seat back fold and recline features. See OEM manual for seat fold and recline features.

### Third Row Seat Footrest

A lighted third row seat footrest is provided to accommodate passenger footing with the lowered floor.

Deploy footrest (fold down).



## MAINTENANCE

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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.

### Side Entry Vehicles

**Foldout and Infloor Ramps:** Keep the passenger side slide door lower track pan free of debris, ice and snow. Smooth unobstructed slide door operation is crucial for dependable door and ramp functions.

**Infloor Ramp:** Keep the infloor ramp and ramp cassette area clean as well as the door track. Dirt, mud, snow, ice and other debris entering the cassette can result in potential ramp problems.

Inspect wheelchair tiedowns, occupant restraint belts and associated hardware. See Strap, Belt and Anchorage Maintenance on page 23 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 Maintenance Guidelines and Service Log Booklet, or the maintenance procedures specified in the corresponding service manual.



### 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, maintenance booklet and applicable service manual. Failure to do so may result in serious bodily injury and/or property damage.**

**AUXILIARY POWER SUPPLY / BELOW FLOOR OBSTRUCTIONS**

Note: The technical information provided on pages 52-55 of this manual is service related. If you are having an electrical tie-down, power seat or other auxiliary electrical device installed in your vehicle, this information should be supplied to the technician.

**⚠CAUTION**

**Do not connect auxiliary devices to vehicle battery. Doing so may result in damage to electrical system and/or electronic components.**

**Auxiliary Power Supply:** Do not connect auxiliary devices directly to the vehicle battery. Doing so may result in damage to electrical system and/or electronic components.

Two fuse blocks are provided as an auxiliary power source for dealer-installed auxiliary electrical device(s). Fuse block details and specifications are provided on following page. The fuse blocks are located at the bottom of the center console.

**Below Floor Obstructions:** When installing aftermarket equipment, obstructions below the floor must be avoided. Obstructions include wiring, fuel system, brake lines, etc. Installers must be aware of these obstructions.

Refer to the illustration on page 55 to avoid contacting or damaging vital components under the floor.

**⚠WARNING**



**Risk of electrical fire! Install and electrically terminate auxiliary electrical device as specified by device manufacturer.**

---

## AUXILIARY POWER SUPPLY / BELOW FLOOR OBSTRUCTIONS

**Fuse Blocks:** Two fuse blocks are provided for use as an auxiliary power source (one ignition fuse block and one battery fuse block).

The battery fuse block provides power at all times (independent of the vehicle ignition). The ignition fuse block supplies power only when the vehicle ignition is on.

The installer is responsible for supplying the correct gauge wire and fuse for the particular device to be attached to the fuse block (as specified by the manufacturer of the device).

**Ignition Fuse Block:** The total maximum load must not exceed 30 amperes.

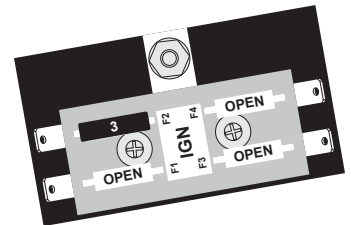
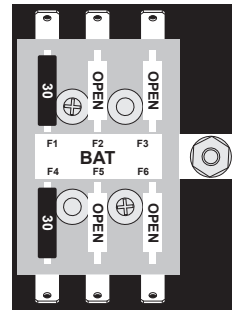
**Battery Fuse Block:** The total maximum load must not exceed 40 amperes.

Note: If installing an auxiliary electrical device that requires more than a 30 ampere ignition or 40 ampere battery power source, an alternative power source must be provided.

**Fuse Block Access:** The fuse blocks are located at the bottom of the center console. Fuse block access procedures are provided in the service manual.

Note: The fuse blocks are part of an electrical assembly. Two ground studs are also provided.

### Under Dash Fuse Blocks



**AUXILIARY POWER SUPPLY / BELOW FLOOR OBSTRUCTIONS**

---

**Below Floor Obstructions**

When installing an electrical tie-down, power seat or other aftermarket electrical device, obstructions below the floor must be avoided. Obstructions include wiring, fuel system, brake lines, etc. Installers must be aware of these obstructions.

**⚠ WARNING**

**Check for obstructions such as wires, gas lines, exhaust, etc. before drilling or cutting through floor. Failure to do so may result in serious bodily injury and/or property damage.**

Refer to the illustration on the following page when installing aftermarket equipment to avoid contacting or damaging vital components under the floor. Drilling or cutting into such obstructions may result in potential hazards as well as property damage.

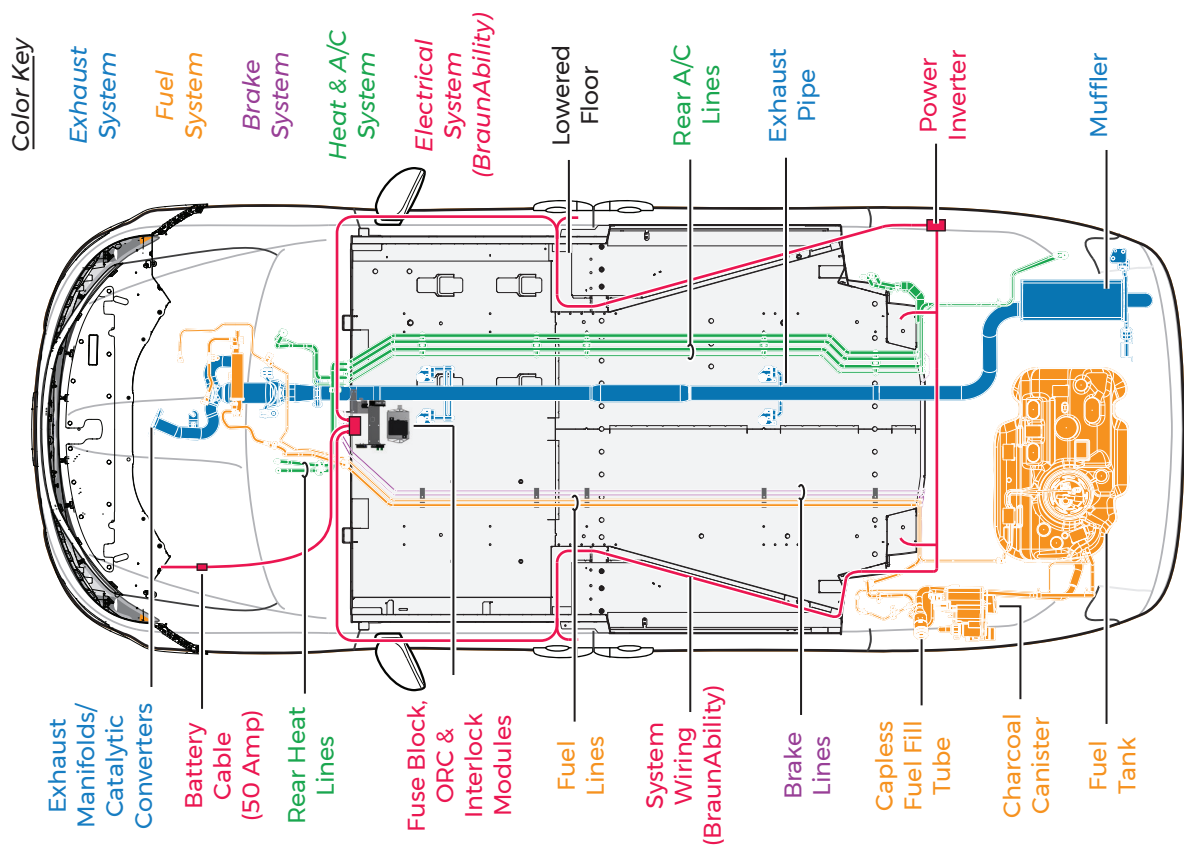
Note: Some wiring harnesses shown may not be present. Avoid all harness locations.

**⚠ WARNING**



**Risk of electrical fire! Install and electrically terminate auxiliary electrical device as specified by device manufacturer.**

AUXILIARY POWER SUPPLY / BELOW FLOOR OBSTRUCTIONS





## JACKING AND TIRE CHANGING

---

### Jacking and Tire Changing

**OEM Deflated Spare (Standard):** The spare tire is located in the driver side rear wall compartment (OEM location).

**Full Size Spare Tire Mount (Option):** Interior mounted full size spare tire is located on the driver side rear floor behind the third row seats.

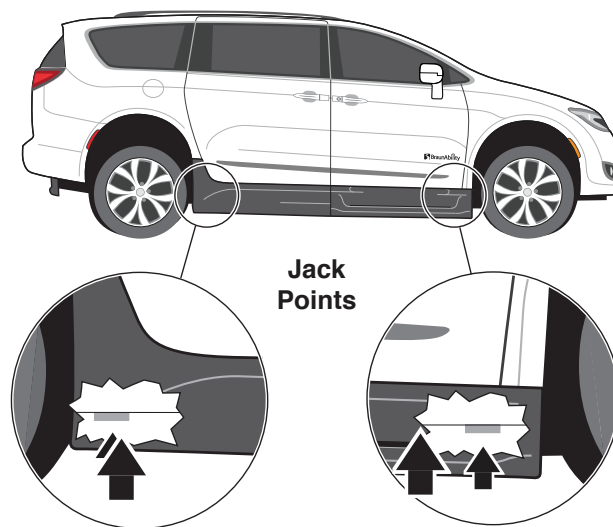
**Jack Location:** The OEM jack equipment is located in the driver side rear wall compartment (OEM location - if equipped).

**Jack Points:** Front and rear wheel jacking points have been repositioned during conversion procedures. The modified vehicle jack points are depicted in the illustration at right.

#### 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.



**Towing with a Lowered Floor Vehicle**

If your vehicle is equipped with an OEM factory installed trailer tow bumper package, refer to the OEM manual for towing guidelines and precautions. Be sure to comply with critical weight limits before towing. Aftermarket trailer tow packages are 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.

# *Limited Warranty*



**BraunAbility**®

Braun Public Use - Lowered Floor Wheelchair Accessible Vehicle

**34941 Rev B**

## **IMPORTANT**

This booklet contains BraunAbility® limited warranties.  
It should be kept in your vehicle and presented to your Dealer  
if any warranty service is needed.

## WARRANTY AND REGISTRATION INSTRUCTIONS

Examine your lowered floor minivan conversion 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. This Warranty Booklet contains 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.

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

## **LIMITED WARRANTY**

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### **WARRANTY COVERAGE AND WARRANTY COVERAGE TIME PERIODS**

The BraunAbility® (“Braun”) warranty covers Braun’s modifications and alterations for associated parts for three (3) years or the first thirty six thousand (36,000) miles, whichever occurs first. In addition, the corrosion protection portion of this warranty applies to covered parts (see below) for 5 years or 100,000 miles, whichever occurs first. The 3 year/36,000 mile limited warranty covers substantial defects in materials and workmanship attributable to Braun of the conversion van frame, floor structural components, ramp, door and associated structural components, electrical components, including but not limited to switches, wires, connectors and the controller and interior appearance items such as floor covering and the lower door extension assemblies. The corrosion warranty covers substantial defects in materials and workmanship attributable to Braun of the metal fabrication on or of the frame, floor and lower door extensions. These warranty periods begin on the date that the product is delivered to the first retail purchaser by an independent, authorized dealer of Braun, or, if the dealer places the product into any type of service prior to retail sale, on the date the dealer first places the product in such service.

This limited warranty applies to the first consumer purchaser, and the next subsequent owner, only. This limited warranty may be transferred once during the warranty period. However, the subsequent owner must submit a warranty transfer form to Braun to make the warranty transfer effective. All rights and limitations within this warranty are applicable to the original and subsequent owner of the product. The subsequent owner’s warranty coverage period is the remaining balance of the warranty coverage period that the prior owner was entitled to under this limited warranty. Warranty transfer forms can be obtained from any independent, authorized dealer, which must be submitted to Braun within thirty (30) days from the subsequent owner’s purchase, and proof of the purchase date must be supplied with the form.

**WHAT BRAUN WILL DO TO CORRECT PROBLEMS**

In the event that a substantial defect in material or workmanship, attributable to Braun, is found to exist during the warranty coverage periods, it will be repaired or replaced, at Braun's option, without charge to the owner, in accordance with the terms, conditions and limitations of this limited warranty.

Braun's obligation to repair or replace defective materials or workmanship is the sole obligation of Braun under this limited warranty. Braun reserves the right to use new or remanufactured parts of similar quality to complete any work, and to make parts and design changes from time to time without notice to anyone. Braun reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any previously manufactured product. Braun makes no warranty as to the future performance of this product, and this limited warranty is not intended to extend to the future performance of the product. In addition, the owner's obligation to notify Braun, or one of its authorized, independent dealers, of a claimed defect does not modify any obligation placed on the owner to contact Braun directly when attempting to pursue remedies under state or federal law.



## **LIMITED WARRANTY**

### **LIMITATIONS, EXCLUSIONS AND DISCLAIMER OF IMPLIED WARRANTIES**

**ANY IMPLIED WARRANTY THAT IS FOUND TO ARISE BY WAY OF STATE OR FEDERAL LAW, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR ANY IMPLIED WARRANTY OF FITNESS, IS LIMITED IN DURATION TO THE TERMS OF THIS LIMITED WARRANTY AND IS LIMITED IN SCOPE OF COVERAGE TO THE SCOPE OF COVERAGE OF THIS LIMITED WARRANTY.** Braun disclaims any express or implied warranty, including any implied warranty of fitness or merchantability, on items excluded from coverage as set forth in this limited warranty. Braun makes no warranty of any nature beyond that contained in this limited warranty. No one has authority to enlarge, amend or modify this limited warranty, and Braun does not authorize anyone to create any other obligation for it regarding this product. Braun is not responsible for any representation, promise or warranty made by any independent dealer or other person beyond what is expressly stated in this limited warranty. Any selling or servicing dealer is not Braun's agent, but an independent entity.

**BRAUN SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT MAY RESULT FROM BREACH OF THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY. THIS EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES SHALL BE INDEPENDENT OF ANY FAILURE OF THE ESSENTIAL PURPOSE OF ANY WARRANTY, AND THIS EXCLUSION SHALL SURVIVE ANY DETERMINATION THAT THIS LIMITED WARRANTY OR ANY IMPLIED WARRANTY HAS FAILED OF ITS ESSENTIAL PURPOSE.** This warranty does not cover, and in no event shall Braun be liable for towing charges, travel, lodging, or any other expense incurred due to the loss of use of the product or other reason.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

## **HOW TO GET SERVICE**

To obtain warranty service the owner must do all of the following:

1. Notify an authorized service center, of the claimed defect attributable to Braun, within the warranty coverage period designated above;
2. Provide the notification mentioned in (1), above, within ten (10) days of when the owner discovered, or should have discovered, the claimed defect;
3. Promptly schedule an appointment with and take the product to an authorized service center for service; and
4. Pay any transportation costs and all expenses associated with obtaining warranty service.

Since Braun does not control the scheduling of service work at the independent dealerships you may encounter some delay in scheduling or completion of work. If you need assistance you may contact Braun, at 631 West 11th Street, Winamac, Indiana 46996; Customer Experience Group 1-800-488-0359.

If two (2) or more service attempts have been made to correct any covered defect that you believe impairs the value, use or safety of the product, or if it has taken longer than thirty (30) days for repairs to be completed, you must, to the extent permitted by law, notify Braun directly, in writing, at the above address, of the unsuccessful repair(s) of the alleged defect(s) so that Braun can become directly involved in providing service pursuant to the terms of this limited warranty.

## **LIMITED WARRANTY**

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### **WHAT IS NOT COVERED**

This Limited Warranty does not cover any of the following: defects in materials, components or parts of the product not attributable to Braun, any material, component or part of the product that is warranted by another entity (Note: the written warranty provided by the manufacturer of the material, component or part is the direct responsibility of that manufacturer); items that are added or changed after the product leaves Braun's possession; additional items installed at any dealership, or other place of business, or by any other party, other than Braun; normal wear, tear, usage, maintenance, service, periodic adjustments, the effects of condensation or moisture from condensation; mold or any damage caused by mold; imperfections that do not affect the product for its intended purpose; items that are working as designed but that you are unhappy with; problems related to mis-operation, misuse, mishandling, neglect or abuse, including failure to maintain the product in accordance with the owner's manual, or other routine maintenance such as inspections, lubricating, adjustments, tightening of screws, sealing, wheel alignments or rotating tires; damage due to accident or collision, including any acts of weather or damage or corrosion due to the environment; theft, vandalism, fire, or other intervening acts not attributable to Braun; damage resulting from tire wear or tire failure; defacing, scratches, dents or chips on any interior or exterior surface of the product, including those caused by rocks or other road hazards, damage caused by off road use, overloading or alteration of the product, or any of its components or parts;

Defects and/or damage to interior and exterior surfaces and other appearance items may occur at the factory or when the product is in transit to a dealer. These items are usually detected and corrected at the factory or by the selling dealer prior to delivery to the retail customer. You must inspect the product for this type of damage when you take delivery. If you find any such defect or damage you must notify the selling dealer, or Braun, at the time of delivery to have these items covered by this limited warranty and to have work performed on the items at no cost to you as provided by this limited warranty.

**EVENTS DISCHARGING BRAUN FROM OBLIGATION UNDER WARRANTY**

The following shall completely discharge Braun from any express or implied warranty obligation to repair or replace anything and void this warranty: any rental or other commercial use or purchase of the product (as defined in this warranty), misuse, neglect, collision, accidents, failure to provide routine maintenance (See Owner's Manual), unauthorized alteration, off road use, damage from weather or the environment, theft, vandalism, tampering, fire, explosions, overloading the product and odometer tampering.

**LEGAL REMEDIES**

Any action to enforce any portion of this limited warranty, or any implied warranty, must be commenced within six (6) months after expiration of the warranty coverage period designated above or the action will be barred because of the passage of time. Any performance of repairs shall not suspend this limitation period from expiring. Any performance of repairs after the warranty coverage period has expired, or performance of repairs regarding any thing excluded from coverage under this limited warranty shall be considered "good will" repairs, and they will not alter the terms of this limited warranty, or extend any warranty coverage period or the filing limitation period in this paragraph. In addition, since it is reasonable to expect that the product will need some service during the warranty period, this warranty does not extend to future performance. It only sets forth what Braun will do and does not guarantee anything about the product for any time period. Nothing in this warranty, or any action of Braun, or any agent of Braun, shall be interpreted as an extension of any warranty period or the filing limitation period in this paragraph. Some states do not allow a reduction in the statute of limitations, so this reduction may not apply to you.

## **LIMITED WARRANTY**

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### **WARRANTY REGISTRATION and MISCELLANEOUS**

Your warranty registration records should be completed and delivered to the appropriate companies, including the Braun Delivery Checklist & Warranty form. That form must be returned to Braun within twenty (20) days of purchase. The Braun warranty will not be registered unless this warranty registration is completed and received by Braun. Failure to file this warranty registration with Braun will not affect your rights under this limited warranty as long as you can present proof of purchase, but it can cause delays in obtaining the benefits of this limited warranty, and it changes the start date of the warranty to the date of final assembly of the product by Braun.

Braun agrees to repair or replace any of its factory installed parts found to have substantial defects within the appropriate warranty period designated above, provided that the repair is authorized by Braun and carried out by an authorized service center (a Braun labor schedule determines the cost allowance for repairs). Braun will not honor any warranty claim for repairs or replacement of parts unless the claim is submitted with the appropriate paperwork, and the work is completed by an independent, factory authorized service center. The appropriate paperwork can be obtained by written or phone contact with Braun at the contact information in this warranty.

Braun reserves the right to designate where any warranty work can be performed. Braun also reserves the right to examine any defective workmanship or part prior to giving any authorization for warranty work. Braun's return authorization procedure must be adhered to in order to process any warranty claims.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.



**November 2016**

**34941 Rev B**

**CHRYSLER**



**2021**

**All Vehicles**

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WARRANTY INFORMATION - GAS



Download a free electronic copy of the most up-to-date warranty book at [Mopar.com](http://Mopar.com)



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DESCRIPTION	1 Yr/ 12,000	2 Yr/ 24,000	3 Yr/ 36,000	3 Yr/ 50,000	3 Yr/ Unlimited	5 Yr/ 50,000	5 Yr/ 60,000	5 Yr/ 100,000	5 Yr/ Unlimited	7 Yr/ 70,000	8 Yr/ 80,000
Basic Limited Warranty Coverage											
<b>Special Extended Warranty Coverage</b>											
Anti-Corrosion Perforation Limited Warranty											
— All Panels											
— Outer Panels											
Powertrain Limited Warranty											
Federal Emission Warranty											
Federal Emission Warranty											
— Specified Components											

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## 1. Your Legal Rights Under These Limited Warranties

The warranties contained in this booklet are the only express warranties that FCA US LLC ("FCA US") makes for your vehicle. **These warranties give you specific legal rights. You may also have other rights that vary from state to state.** For example, you may have some implied warranties, depending on the state where your vehicle was sold or is registered.

These implied warranties are limited, to the extent allowed by law, to the time periods covered by the express written warranties contained in this booklet.

If you use your vehicle primarily for business or commercial purposes, then these implied warranties do not apply and FCA US LLC completely disclaims them to the extent allowed by law. The implied warranty of fitness for a particular purpose does not apply if your vehicle is used for racing, even if the vehicle is equipped for racing.

**Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.**

### 1.1. Incidental And Consequential Damages Not Covered

**Your warranties do not cover any incidental or consequential damages connected with your vehicle's failure, either while under warranty or afterward.**

Examples of such damages include:

- Lost time
- Inconvenience
- The loss of the use of your vehicle
- The cost of rental vehicles, gasoline, telephone, travel, or lodging
- The loss of personal or commercial property
- The loss of revenue

**Some states do not allow incidental or consequential damages to be excluded or limited, so this exclusion may not apply to you.**

## 2. What Is Covered Under FCA US LLC's Warranties

### 2.1. Basic Limited Warranty

#### A. Who Is Covered

You are covered by the Basic Limited Warranty if you are a purchaser for use of the vehicle.

#### B. What Is Covered

The Basic Limited Warranty covers the cost of all parts and labor needed to repair any item on your vehicle when it left the manufacturing plant that is defective in material, workmanship or factory preparation. There is no list of covered parts since the only exceptions are tires and headphones. You pay nothing for these repairs. These warranty repairs or adjustments including all parts and labor connected with them, will be made by an authorized dealer at no charge, using new or remanufactured parts.

#### C. Items Covered By Other Warranties

The following are covered by separate warranties offered by their makers. They are **not covered** by the Basic Limited Warranty:

- Tires
- Headphones
- Items added or changed after your vehicle left the manufacturing plant, such as accessories or protection products, or items changed because of customization or van conversion

Be sure you get a copy of any warranty that applies to these items from the manufacturer of the product.

#### **D. Towing Costs Are Covered Under Certain Circumstances**

Roadside Assistance covers the cost of towing your vehicle to the nearest Chrysler, Dodge, Jeep®, or Ram dealer if your vehicle becomes disabled as a result of a mechanical breakdown. If you choose to go to another dealership, you will be responsible for the cost if the extra distance exceeds 10 miles. See “section 6.2” for information on how to get towing service in the United States and Canada.

#### **E. When It Begins**

The Basic Limited Warranty begins on either of the following dates, whichever is earlier:

- The date you take delivery of the vehicle.
- The date when the vehicle was first put into use, for example, as a dealer “demo” or as an FCA US LLC company vehicle.

#### **F. When It Ends**

The Basic Limited Warranty lasts for 36 months from the date it begins or for 36,000 miles on the odometer, whichever occurs first. But the following items are covered only for 12 months or for 12,000 miles on the odometer, whichever occurs first:

- Brakes (rotors, pads, linings, and drums)
- Bulbs
- Clutch Discs or Modular Clutch Assembly (if equipped)
- Wheel Alignment and Wheel Balancing
- Windshield and Rear Window
- Wiper Blades

#### **G. Registration And Operation Requirements**

The Basic Limited Warranty covers your vehicle only if:

- The vehicle was built for sale in the US.
- The vehicle is registered in the US.
- The vehicle is driven mainly in the US or Canada.
- The vehicle is operated and maintained in the manner described in your Owner’s Manual.

### **H. If Your Vehicle Leaves The United States, Including United States Possessions And Territories As Part Of The United States For Warranty Purposes**

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY COVERAGE FOR THIS VEHICLE IF IT IS SOLD OR REGISTERED OUTSIDE OF THE UNITED STATES.

This policy does not apply to vehicles that have received authorization for export from FCA US LLC. Dealers may not give authorization for export. You should consult an authorized dealer to determine this vehicle's warranty coverage if you have any questions.

This policy does not apply to vehicles registered to US government officials or military personnel on assignment outside of the United States.

## **2.2. Corrosion Warranty**

### **A. Who Is Covered**

You are covered by the Corrosion Warranty if you are a purchaser for use of the vehicle.

### **B. What Is Covered**

The Corrosion Warranty covers the cost of all parts and labor needed to repair or replace any sheet metal panels that get holes from rust or other corrosion. If a hole occurs because of something other than corrosion, this warranty does not apply. Cosmetic or surface corrosion resulting, for example, from stone chips or scratches in the paint, is not covered. For more details on what is not covered by this warranty, refer to "section 3.5".

### **C. How Long It Lasts**

The Corrosion Warranty starts when your Basic Limited Warranty begins under "section 2.1 E".

This warranty has two time-and-mileage limits:

- For sheet metal panels, the limit is 36 months, with no mileage limit.
- For an outer body sheet metal panel, one that is finish painted and that someone can see when walking around the vehicle, the limit is five years, with no mileage limit.

#### **D. What Is Not Covered**

Please note that while the standard Corrosion Warranty applies to defects in material and/or workmanship, it does not cover the vehicle's matte finish appearance (if equipped).

Maintaining the matte finish appearance is solely the responsibility of the vehicle owner as described in your Owner's Manual.

#### **2.3. Restraint System Limited Warranty, Vehicles Sold And Registered In The State Of Kansas Only**

For vehicles sold and registered in the State of Kansas, seat belts and related seat belt components are warranted against defects in workmanship and materials for 10 years, regardless of mileage. This warranty does not cover replacement of seat belts and related components required as the result of collision.

#### **2.4. Powertrain Limited Warranty**

##### **A. Who Is Covered**

You are covered by the Powertrain Limited Warranty if you are a purchaser for use of the vehicle.

##### **B. What Is Covered**

The Powertrain Limited Warranty covers the cost of all parts and labor needed to repair a powertrain component listed in "section 2.4 E" below that is defective in workmanship and materials.

##### **C. How Long It Lasts**

The Powertrain Limited Warranty lasts for up to five years or 60,000 miles on the odometer, whichever occurs first, calculated from the start date of the Basic Limited Warranty, as set forth in "section 2.1 E".



### **D. Towing Costs Are Covered**

Roadside Assistance covers the cost of towing your vehicle to the nearest authorized Chrysler, Dodge, Jeep or Ram dealer if your vehicle cannot be driven because a covered part has failed.

If you choose to go to another dealership, you will be responsible for the cost if the extra distance exceeds 10 miles. Refer to “section 6.2” for information on how to get towing service in the United States and Canada.

### **E. Parts Covered**

The Powertrain Limited Warranty covers these parts and components of your vehicle's powertrain supplied by FCA US LLC:

**NOTE:**

MANUAL TRANSMISSION CLUTCH PARTS ARE NOT COVERED UNDER THE POWERTRAIN LIMITED WARRANTY

#### **Gasoline Engine**

Cylinder block and all internal parts; cylinder head assemblies; timing case, timing chain, timing belt, gears and sprockets; vibration damper; oil pump; water pump and housing; intake and exhaust manifolds; flywheel with starter ring gear; core plugs; valve covers; oil pan; turbocharger housing and internal parts; turbocharger wastegate actuator; supercharger; serpentine belt tensioner; seals and gaskets for listed components only.

#### **Transmission**

Transmission case and all internal parts; torque converter; drive/flex plate; transmission range switch; speed sensors; pressure sensors; transmission control module; bell housing; oil pan; seals and gaskets for listed components only.

#### **Front Wheel Drive (FWD)**

Transaxle case and all internal parts; axle shaft assemblies; constant velocity joints and boots; differential cover; oil pan; transaxle speed sensors; transaxle solenoid assembly; PRNDL position switch; transaxle electronic controller; torque converter; seals and gaskets for listed components only.

## 10 WHAT IS COVERED UNDER FCA US LLC'S WARRANTIES

### **All Wheel Drive (AWD)**

Power transfer unit and all internal parts; viscous coupler; axle housing and all internal parts; constant velocity joints and boots; driveshaft and axle shaft assemblies; differential carrier assembly and all internal parts; output ball bearing; output flange; end cover; overrunning clutch; vacuum motor; torque tube; pinion spacer and shim, seals and gaskets for listed components only.

### **Rear Wheel Drive (RWD)**

Rear axle housing and all internal parts; axle shafts; axle shaft bearings; drive shaft assemblies; drive shaft center bearings; universal joints and yokes; seals and gaskets for listed components only.

### **Four Wheel Drive (4WD)**

Transfer case and all internal parts; transfer case control module and shift mode motor assembly; axle housing and all internal parts; axle shafts; axle shaft bearings; drive shaft assemblies (front and rear); drive shaft center bearings; universal joints and yokes; disconnect housing assembly; seals and gaskets for the listed components only.

### **F. Other Provisions Of This Powertrain Limited Warranty**

All other terms of the New Vehicle Limited Warranty including “section 1” (Your Legal Rights Under These Limited Warranties) and “section 3” (What Is Not Covered) apply to this Powertrain Limited Warranty.

## 3. What Is Not Covered

### 3.1. Modifications Not Covered

#### A. Some Modifications Do Not Void The Warranties But Are Not Covered

Certain changes that you might make to your vehicle do not, by themselves, void the warranties described in this booklet. Examples of some of these changes are:

- Installing non-FCA US LLC parts, components, or equipment (such as a non-FCA US LLC radio or cruise control).
- Using special non-FCA US LLC materials or additives.
- Modifying the front fascia/bumper, vehicle body structure, or adding aftermarket side steps or running boards.
- Replacing windshields on vehicles equipped with Advanced Driver Assist Systems with non-FCA US LLC genuine parts.
- Using aftermarket collision parts.
- Attaching or installing any aftermarket accessories, including transparent material (e.g. glass tinting) or aftermarket grilles.

Your warranties do not cover any part that was not on your vehicle when it left the manufacturing plant or is not certified for use on your vehicle. Nor do they cover the costs of any repairs or adjustments that might be caused or needed because of the installation or use of non-FCA US LLC parts, components, equipment, materials, or additives.

#### NOTE:

Non-FCA US LLC parts can also impact downstream or other related safety systems.

Performance or racing parts are considered to be non-FCA US LLC parts. Repairs or adjustments caused by their use are not covered under your warranties.

Examples of the types of alterations not covered are:

- Installing accessories, except for genuine FCA US LLC/Mopar® accessories installed by an authorized Chrysler, Dodge, Jeep or Ram dealer.
- Applying rustproofing or other protection products.
- Changing the vehicle's configuration or dimensions, such as converting the vehicle into a limousine or food service vehicle.
- Using any refrigerant that FCA US LLC has not approved.

### **B. Modifications That WILL Void Your Warranties**

These actions will void your warranties:

- Disconnecting, tampering with, or altering the odometer will void your warranties, unless your repairing technician follows the legal requirements for repairing or replacing odometers.
- Attaching any device that disconnects the odometer will also void your warranties.

### **3.2. Environmental Factors Not Covered**

Your warranties do not cover damage caused by environmental factors such as airborne fallout, bird droppings, insect damage, chemicals, tree sap, salt, ocean spray, acid rain, and road hazards. Nor do your warranties cover damage caused by hailstorms, windstorms, tornadoes, sandstorms, lightning, floods, and earthquakes.

Your warranties do not cover conditions resulting from anything impacting the vehicle. This includes cracks and chips in glass, scratches and chips in painted surfaces, or damage from collision.

### **3.3. Maintenance Costs Not Covered**

Your warranties do not cover the costs of repairing damage caused by poor or improper maintenance. Nor do they cover damage caused by the use of contaminated fuels, or by the use of fuels, oils, lubricants, cleaners or fluids other than those recommended in your Owner's Manual.

The warranties do not cover the costs of your vehicle's normal or scheduled maintenance. Some of these parts and services, which your warranties do not cover, include:

- Lubrication
- Engine tune-ups
- Replacing filters, coolant, spark plugs, or fuses (unless those costs result from a covered repair)
- Cleaning and polishing
- Replacing worn wiper blades, worn brake pads and linings, or clutch linings

### 3.4. Racing Not Covered

Your warranties do not cover the costs of repairing damage or conditions caused by racing, nor do they cover the repair of any defects that are found as the result of participating in a racing event.

### 3.5. Certain Kinds Of Corrosion Not Covered

Your warranties do not cover the following:

- Corrosion caused by accident, damage, abuse, or vehicle alteration.
- Surface corrosion caused by such things as industrial fallout, sand, salt, hail, ocean spray, and stones.
- Corrosion caused by the extensive or abnormal transport of caustic materials like chemicals, acids, and fertilizers.
- Corrosion of special bodies, body conversions, or equipment that was not on your vehicle when it left the manufacturing plant or was not supplied by FCA US LLC.

### 3.6. Other Exclusions

Your warranties do not cover the costs of repairing damage or conditions caused by any of the following:

- Fire or accident
- Abuse or negligence
- Misuse: for example, driving over curbs or overloading
- Tampering with the emission systems, or with a part that could affect the emission systems
- Use of used parts, even if they were originally supplied by FCA US LLC however, authorized FCA US LLC/Mopar remanufactured parts are covered
- Windshield or rear window damage from external objects
- Any changes made to your vehicle that do not comply with FCA US LLC
- Using any fluid that does not meet the minimum recommendations in your Owner's Manual

### **3.7. Total Loss, Salvage, Junk, Or Scrap Vehicles Not Covered**

A vehicle has no warranty coverage of any kind if:

- The vehicle is declared to be a total loss by an insurance company.
- The vehicle is rebuilt after being declared a total loss by an insurance company.
- The vehicle is issued a certificate of title indicating that it is designated as “salvage”, “junk”, “rebuilt”, “scrap,” or some similar word.

FCA US LLC will deny warranty coverage without notice if it learns that a vehicle is ineligible for coverage for any of these reasons.

This exclusion does not apply to emission warranties or to recall campaigns.

### **3.8. Restricted Warranty**

FCA US LLC may restrict the warranty on your vehicle if the vehicle is not properly maintained, or if the vehicle is abused or neglected, and the abuse or neglect interferes with the proper functioning of the vehicle. If the warranty is restricted, coverage may be denied or subject to approval by FCA US LLC before covered repairs are performed.

## 4. Other Terms Of Your Warranties

### 4.1. Exchanged Parts May Be Used In Warranty Repairs

In the interest of customer satisfaction, FCA US LLC may offer exchange service on some vehicle parts. This service is intended to reduce the amount of time your vehicle is not available for your use because of repairs. Parts used in exchange service may be new, remanufactured, reconditioned, or repaired, depending on the part involved.

All exchange parts that might be used meet FCA US LLC standards, and have the same warranties as new parts.

Examples of the kinds of parts that might be serviced in this way are:

- Engine Assemblies
- Transmission Assemblies
- Instrument Cluster Assemblies
- Radios, CD and DVD Players
- Speedometers
- Powertrain Control Module (PCM)

To help control suspected ozone-depleting agents, the Environmental Protection Agency (EPA) requires the capture, purification, and reuse of automotive air conditioning refrigerant gases. As a result, a repair to the sealed portion of your air conditioning system may involve the installation of purified reclaimed refrigerant.

### 4.2. Pre-Delivery Service

A defect in or damage to the mechanical, electrical, sheet metal, paint, trim, and other components of your vehicle may have occurred at the factory or while it was being shipped to an authorized dealer.

Such a defect or damage is usually detected and corrected at the factory. In addition, dealers must inspect each vehicle before delivery. They repair any defects or damage detected before the vehicle is delivered to you.

### 4.3. Production Changes

Changes may be made in vehicles sold by FCA US LLC and their authorized dealers at any time without incurring any obligation to make the same or similar changes on vehicles previously built or sold.

## 5. Emission Warranties Required By Law

### 5.1. Federal Emission Warranty

#### A. Parts Covered For Two Years Or 24,000 Miles

Federal law requires FCA US LLC to warrant the following emissions parts for two years or 24,000 miles, whichever occurs first. FCA US LLC covers all of these parts under the Basic Limited Warranty for three years or 36,000 miles, whichever occurs first.

- Air System Controls
- Electronic Fuel Injection System (including injectors)
- Evaporative-Emission Canister and Controls
- Exhaust Manifold
- Exhaust Gas Recirculation (EGR) Valve and Control System
- Exhaust Pipes (between exhaust manifold and catalyst)
- Fuel Cap and Tank Assembly, Pump, and Fuel Lines
- Ignition System
- Intake Manifold
- On-Board Diagnostic-System Components
- Oxygen Sensors
- Positive Crankcase-Ventilation (PCV) Valve or Orifice
- Secondary Ignition Wires
- Spark Plugs
- Throttle Body
- Vacuum Hoses, Clamps, and Fittings (as well as tubing used for these components)
- Vacuum, Temperature, Altitude, Speed, Time-Sensitive Valves, Sensors, and Switches (used in these components and systems)



## **B. Parts Covered For Eight Years Or 80,000 Miles**

If your vehicle has one of the following parts, this Federal Emission Warranty covers that part for a period of eight years or 80,000 miles, whichever occurs first, calculated from the start of the Basic Limited Warranty as set forth in “section 2.1 E”. The covered parts are:

- Catalytic Converter
- Powertrain Control Module (PCM)
- Transmission Control Module (TCM)

## **5.2. Emission Performance Warranty**

The Emission Performance Warranty supplements the federal warranty under “section 5.1”. It lasts for two years or 24,000 miles on the odometer, whichever occurs first. If your vehicle has one of the parts listed in “section 5.1 B”, the Federal Emission Warranty covers that part for a period of eight years or 80,000 miles, whichever occurs first. These limits are counted from the time when your Basic Limited Warranty begins under “section 2.1 E”.

The Emission Performance Warranty covers the cost of repairing or adjusting any components or parts that might be needed for your vehicle to pass Federal Emission Standards for a federally approved state or local emissions test, but only if:

- Your vehicle has failed a federally approved state or local emissions test.
- Your vehicle has been maintained and operated properly up until it fails such a test.
- You face a real penalty for example, a fine or the loss of the use of your vehicle, because the vehicle has failed the test.

Refer to "section 6.4" (Getting Service Under The Federal Emission Performance Warranties), for further information on how to get service under this warranty.

## 6. How To Get Warranty Service

### 6.1. Where To Take Your Vehicle

#### **A. In The United States, We Include US Possessions And Territories As Part Of The United States For Warranty Purposes**

Warranty service must be done by an authorized Chrysler, Dodge, Jeep or Ram dealer. We strongly recommend that you take your vehicle to your selling dealer. They know your vehicle best, and are most concerned that you get prompt and high quality service. If you move within the United States, warranty service may be requested from any authorized Chrysler, Dodge, Jeep or Ram dealer.

#### **B. In Canada And Mexico**

If you are traveling temporarily in Canada or Mexico, and your vehicle remains registered in the United States, your FCA US LLC warranty still applies. Service may be requested at any authorized Chrysler, Dodge, Jeep or Ram dealership.

#### **C. In A Foreign Country Outside Of North America**

If you are traveling temporarily outside of North America, and your vehicle remains registered in the United States:

- You should take your vehicle to an authorized Chrysler, Dodge, Jeep or Ram dealer. They should give you the same warranty service you receive in the United States.
- If the authorized dealership charges you for repairs which you feel should be covered under your warranty, please get a detailed receipt for the work done. Make sure that this receipt lists all warranty repairs and parts that were involved. This receipt will be similar to the one used by the authorized dealer who normally services your vehicle.
- When your vehicle returns to the United States, contact the FCA US LLC Customer Assistance Center in “section 7.2” for reimbursement consideration. You will normally need to provide a copy of the receipt, your vehicle registration and any other relevant documents.
- Reimbursement will not be considered if the vehicle does not return to the United States.

**D. If You Move**

If you move to another country, be sure to contact the FCA US LLC Customer Assistance Center in “section 7.2” and the customs department of the destination country before you move. Vehicle importation rules vary considerably from country to country. You may be required to present documentation of your move to FCA US LLC in order to continue your warranty coverage. You may also be required to obtain documentation from FCA US LLC in order to register your vehicle in your new country.

**E. Notice**

If your vehicle is registered outside of the United States, and you have not followed the procedure set out above, your vehicle will no longer be eligible for warranty coverage of any kind. Vehicles registered to United States government officials or military personnel on assignment outside of the US will continue to be covered.

## 6.2. How To Get Roadside Assistance Service — US Or Canada Only \*

### A. Who Is Covered

You are covered by Roadside Assistance services if you are a purchaser for use of the vehicle. Roadside Assistance services lasts for five years or 60,000 miles on the odometer, whichever occurs first, calculated from the start date of the Basic Limited Warranty, as set forth in “section 2.1 E”.<sup>1</sup>

### B. What To Do

If your vehicle requires jump start assistance, out of gas/fuel delivery, tire service, lockout service or towing as a result of a mechanical breakdown, call 800-521-2779 for assistance.

Provide your name, Vehicle Identification Number (VIN), license plate number, and your location, including the telephone number from which you are calling. Briefly describe the nature of the problem and answer a few simple questions.

You will be given the name of the service provider and an estimated time of arrival. If you feel you are in an “unsafe situation”, please let us know. With your consent, we will contact local police or safety authorities.

### C. Covered Services:

#### Flat Tire Service

If you are inconvenienced by a flat tire, we will dispatch a service provider to use your vehicle's temporary spare tire (if equipped) as recommended in your Owner's Manual. This is not a permanent flat tire repair.

#### Out of Gas/Fuel Delivery

Drivers cannot always count on a gas station being nearby, especially when traveling away from home. We will dispatch a service provider to deliver a small amount of fuel (maximum two gallons) to get you to a nearby station.

1. \* Towing services provided through Cross Country Motor Club, Inc., Medford, MA 02155, except in AK, CA, HI, OR, WI, and WY, where services are provided by Cross Country Motor Club of California, Inc., Medford, MA 02155.

**Battery Jump Assistance**

No time is a good time for a depleted battery, but with Roadside Assistance, you do not have to worry about being stranded. We will dispatch a service provider to provide you with a battery jump any time, day or night.

**Lockout Service**

Whether the keys are locked in your vehicle or frozen locks are keeping you from getting on your way, Roadside Assistance can assist you. This service is limited to providing access to the vehicle's seating area. It does not cover the cost of replacement keys.

**Towing Service**

Our towing service gives you peace of mind and confidence. If your vehicle becomes disabled as a result of a mechanical breakdown, Roadside Assistance will dispatch towing service to transport your vehicle to the closest authorized Chrysler, Dodge, Jeep or Ram dealer. If you choose to go to another dealership, you will be responsible for the cost if the extra distance exceeds 10 miles.

**D. If Unable To Contact Roadside Assistance**

If you are unable to contact Roadside Assistance and you obtain towing services on your own, you may submit your original receipts from the licensed towing or service facility, for services rendered within 30 days of the occurrence. Be sure to include your Vehicle Identification Number (VIN), odometer mileage at the time of service and current mailing address. We will process the claim based on vehicle and service eligibility. If eligible, we will reimburse you for the reasonable amounts you actually paid, based on the usual and customary charges for that service in the area where they were provided. FCA US LLC's determination relating to reimbursement are final. Correspondence should be mailed to:

FCA US LLC Customer Assistance Center

P.O. Box 9145

9145 Medford, MA 02155

Attention: Claims Department

### 6.3. Emergency Warranty Repairs

If you have an emergency and have to get a warranty repair made by someone other than an authorized Chrysler, Dodge, Jeep or Ram dealer, follow the reimbursement procedure in “section 6.1 C”.

### 6.4. Getting Service Under The Federal Emission Performance Warranties

#### A. What To Do

If your vehicle has failed an emissions test described in “section 5.2”:

- Take it to an authorized Chrysler, Dodge, Jeep or Ram dealer as soon as possible.
- Give the service representative the printout showing that your vehicle failed the test.
- If possible, bring all service receipts, maintenance logs, and records proving that your vehicle has been properly maintained, since you may be required to show them.

#### B. Further Steps You Can Take, And How To Get More Information

If you think your authorized dealer has wrongly denied you emission warranty coverage, follow the steps described in “section 7.1”. FCA US LLC will reply to you in writing within 30 days after receiving your complaint (or within the time limit required by local or state law). If the owner is not notified within 30 days that an emission warranty claim is denied, the manufacturer must repair the vehicle free of charge.

If you want more information about getting service under the Federal Emission Warranty or the Performance Warranty, or if you want to report what you think is a violation of these warranties, you can contact:

Manager, Certification and Compliance

Division Warranty Claims

Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Mail Code 6403J

Washington, D. C. 20460

## **7. How To Deal With Warranty Problems**

### **7.1. Steps To Take**

#### **A. In General**

Normally, warranty problems can be resolved by your authorized dealer's sales or service departments. That is why you should always talk to your authorized dealer's service manager or sales manager first. But if you are not satisfied with your dealer's response to your problem, FCA US LLC recommends that you discuss your problem with the owner or general manager of the authorized dealership.

If your authorized dealer still cannot resolve the problem, contact the FCA US LLC Customer Assistance Center listed in "section 7.2".

#### **B. What FCA US LLC Will Do**

Once you have followed the recommended instructions described in "section 7.1 A", an FCA US LLC representative at FCA US LLC headquarters will review your situation. If it is something that FCA US LLC can help you with, FCA US LLC will provide an authorized dealer with all the information and assistance necessary to resolve the problem. Even if FCA US LLC cannot help you, FCA US LLC will acknowledge your contact and explain FCA US LLC's position.

**C. If Your Problem Still Is Not Resolved For Customers Residing In Arkansas, Idaho, Kentucky, Minnesota And Montana ONLY**

If you cannot resolve your warranty problem after following the recommended instructions described in “section 7.1 A”, and you live in Arkansas, Idaho, Kentucky, Minnesota or Montana ONLY, you can contact the FCA US LLC Customer Arbitration Process (CAP) in your area.

You may obtain a brochure describing FCA US LLC's CAP, including an application, by calling 800-247-9753 for assistance.

This service is strictly voluntary, and you may submit your dispute directly to the CAP at no cost. The CAP is administered by an independent dispute settlement organization and may be contacted in writing at the following address:

National Center for Dispute Settlement  
FCA US LLC's Customer Arbitration  
P.O. Box 515315  
Dallas, TX 75251-5315

The CAP reviews only vehicle disputes involving FCA US LLC ("FCA US") Limited Warranty or an FCA US LLC/Mopar Part Limited Warranty. The CAP does not review disputes involving the sale of a new or used vehicle, personal injury/property damage claims, disputes relating to design of the vehicle or part, or disputes which are already the subject of litigation.

The CAP will need the following information from you:

1. Legible copies of all documents and repair orders relevant to your case.
2. Vehicle Identification Number (VIN) of your vehicle.
3. A brief description of your unresolved concern.
4. The identity of your servicing/selling dealer.
5. The date(s) of repair(s) and mileage at the time.
6. Current mileage on the vehicle.
7. A description of the action you expect to resolve your concern.



Upon receipt of your request:

- The National Center for Dispute Settlement (NCDS) will acknowledge receipt of your request, by mail, within 10 days, and advise you whether or not your dispute is within the jurisdiction of the process.
- When your request is within jurisdiction, NCDS will request FCA US LLC and the dealer to present their side of the dispute. You will receive copies of their responses.
- While your dispute is pending, NCDS or FCA US LLC may contact you to see if your case can be settled by agreement. If a settlement is offered to you, FCA US LLC will ask you to sign a form that contains that settlement. Your case will then be closed. There is no requirement for you to participate in this settlement process.
- If you requested an oral hearing, a decision-maker will contact you to arrange a convenient time and place for a hearing. Usually, this will be at a dealership near you.
- If you request a documents-only review, a NCDS panel will review and decide your case. Neither you, the dealer nor FCA US LLC need be present.
- NCDS will send you a written Statement of Decision. This statement will include the decision, any action to be taken by the dealer or FCA US LLC and the time by which the action must be taken. The decision will be binding on the dealer and FCA US LLC but not on you unless you accept the decision.
- If any action is required on the part of the dealer or FCA US LLC you will be contacted within 10 days after the date by which the dealer or FCA US LLC must act to determine whether performance has been rendered.
- The entire dispute settlement process will normally take no longer than 40 days.
- The CAP dispute settlement procedure does not take the place of any state or Federal legal remedies available to you. Whether or not you decide to submit your dispute to the process, you are free to pursue other legal remedies.

### **D. Notice Under State Lemon Laws**

Some states have laws allowing you to get a replacement vehicle or a refund of the vehicle's purchase price under certain circumstances. These laws vary from state to state. If your state law allows, FCA US LLC requires that you first notify us in writing of any service difficulty that you may have experienced so that we can have a chance to make any needed repairs before you are eligible for remedies provided by these laws. In all other states, we ask that you give us written notice of any service difficulty. Send your written notice to the FCA US LLC Customer Assistance Center at the address in "section 7.2".

### **7.2. Helpful Addresses And Telephone Numbers**

Here are the addresses and telephone numbers of the FCA US LLC Customer Assistance Centers that can help you wherever you happen to be. Contact the one that covers your area:

- **In the United States:**

**FCA US LLC Customer Assistance Center**

P.O. Box 21-8004

Auburn Hills, Michigan 48321-8004

Phone: 800-247-9753

**To contact FCA US LLC by email**

Select the "Contact Us" button on

[www.chrysler.com](http://www.chrysler.com)

- **In Canada:**

- FCA Canada Inc. Customer Service**

- P.O. Box 1621

- Windsor, Ontario N9A-4H6

- Phone (English): 800-465-2001

- Phone (French): 800-387-9983

- **In Mexico:**

- Customer Relations Office**

- Prolongación Paseo de la Reforma 1240

- Santa Fe, Cuajimalpa CP 05348

- Ciudad de México

- Phone (in Mexico):

- 800-505-1300

- Phone (outside Mexico):

- 011 (52) 55 5081 7568

- **In Puerto Rico and US Virgin Islands:**

- Customer Service FCA Caribbean LLC**

- Box 191857

- San Juan, Puerto Rico 00919-1857

- Phone: 800-423-6343

- Fax: 787-782-3345

## 8. Optional Service Contract

Mopar Vehicle Protection plans offer valuable protection against repair costs when these warranties no longer apply. They complement but do not replace the warranty coverages outlined in this booklet. A variety of plans are available, covering various time-and-mileage periods and various groups of the vehicle's mechanical components.

Mopar Vehicle Protection plans are the **ONLY** vehicle extended protection plans authorized, endorsed and backed by FCA US LLC to provide additional protection beyond your vehicle's warranty. Look for our brand logo and ask an authorized dealer for details.



## 9. Maintenance

### 9.1. General Information

It is your responsibility to properly maintain and operate your new vehicle. Follow the instructions contained in the General and Scheduled Maintenance Service guidelines in your Owner's Manual. Regular, scheduled maintenance is essential to trouble-free operation. If there is a dispute between you and FCA US LLC concerning your maintenance of your vehicle, FCA US LLC will require you to provide proof that your vehicle was properly maintained.

For your convenience, FCA US LLC has prepared a Maintenance Schedule with routine service intervals which is included in your Owner's Manual. Its essential to follow these required maintenance intervals for safe trouble-free operation.

### 9.2. Where To Go For Maintenance

FCA US LLC recommends that you return to the authorized dealer from whom you bought your vehicle for all maintenance service both during and after the warranty periods. Although you can get warranty service from any authorized dealer who sells your particular make, returning to your selling authorized dealer will help ensure that all your service needs are met and that you are completely satisfied. The dealership technicians are specifically trained to perform maintenance and repair procedures on your vehicle.

Authorized Chrysler, Dodge, Jeep or Ram dealers will help ensure that all your service needs are met and that you are completely satisfied. FCA US LLC strongly recommends you use genuine FCA US LLC/Mopar parts to maintain your vehicle.

Original Owner's Name

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Street Address

City and State	Zip Code
----------------	----------

Zip Code

[illegible]

Vehicle Identification Number

Warranty Start Date (In-Service Date)	Mileage at Delive
---------------------------------------	-------------------

Mileage at Delive

Selling Dealer	Code
----------------	------

Code

City	State
------	-------

State

Second Owner's Name

---

Street Address

City and State \_\_\_\_\_ Zip Code \_\_\_\_\_

---

Zip Code

Date of Second Purchase	Mileage at Purchase
-------------------------	---------------------

Mileage at Purchase

Third Owner's Name

---

Street Address

City and State \_\_\_\_\_ Zip Code \_\_\_\_\_

---

Zip Code

---

Date of Third Purchase	Mileage at Purchase
------------------------	---------------------

Mileage at Purchase

Warranty coverage applies to all vehicle owners. To protect you in the event of a recall or any questions concerning your warranty, please tell your dealer about any ownership or address change, and write the details here.



**Download a free electronic copy of the most up-to-date warranty book at [Mopar.com](https://www.mopar.com)**

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## Pre-Award Buy America Certification

**Manufacturer:** The Braun Corporation  
**Bid No.** PTR2100000007  
**Description:** ADA Lowered Floor Minivans  
**Final assembly activities completed at :** The Braun Corporation  
 631 W 11th St. Winamac, IN 46996


Component	Manufacturer	Country of Origin	C % of Total Cost
Chassis	FCA US LLC	Auburn Hills, MI, United States	41.742%
Weldment	Standard Integrated Solutions, Inc.	Winamac, IN, United States	0.486%
Weldment	The Braun Corporation	Winamac, IN, United States	11.752%
Sub Assembly	Cutting Edge Machine & Tool	New Paris, IN, United States	0.247%
Sub Assembly	The Braun Corporation	Winamac, IN, United States	5.274%
Sub Assembly	Vista Manufacturing Inc	Elkhart, IN, United States	0.088%
Plastic - Vacform & Inj.	Impact Molding Elkhart	Elk Grove Village, IL, United States	0.019%
Plastic - Vacform & Inj.	Lippert Components Inc	Chicago, IL, United States	0.611%
Plastic - Vacform & Inj.	Patrick Industries Inc	Elkhart, IN, United States	0.345%
Plastic - Vacform & Inj.	Proto Shapes, Inc.	Coldwater, MI, United States	0.047%
Plastic - Vacform & Inj.	SPI Blow Molding LLC	Coloma, MI, United States	0.044%
Plastic - Vacform & Inj.	The Braun Corporation	Winamac, IN, United States	1.947%
Ramp Parts & Assemblies	The Braun Corporation	Winamac, IN, United States	2.930%
ADA & Special Equip.	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.100%
ADA & Special Equip.	Fastenal Company	Winona, MN, United States	0.000%
ADA & Special Equip.	Sure-Lok Intl, LLC	Atlanta, GA, United States	0.015%
ADA & Special Equip.	The Braun Corporation	Winamac, IN, United States	2.251%
Wire / Harness / Loom	Altex	Westfield, IN, United States	1.793%
Wire / Harness / Loom	Arrow Electronics, Inc.	Chicago, IL, United States	0.102%
Wire / Harness / Loom	Cable Assembly, LLC	Charlotte, NC, United States	0.067%
Wire / Harness / Loom	The Braun Corporation	Winamac, IN, United States	0.045%
Wire / Harness / Loom	Vista Manufacturing Inc	Elkhart, IN, United States	0.045%
Seats - Seating & Fabric	The Braun Corporation	Winamac, IN, United States	1.936%
Metal Fabrication	Cutting Edge Machine & Tool	New Paris, IN, United States	0.307%
Metal Fabrication	LSI Metal Fabrication	Logansport, IN, United States	0.322%
Metal Fabrication	MORryde International, Inc.	Elkhart, IN, United States	0.448%
Metal Fabrication	Quality Tool And Stamping, Inc.	Muskegon Heights, MI, United States	0.146%
Metal Fabrication	The Braun Corporation	Winamac, IN, United States	0.573%
Floor - Substrate & Covering	Standard Integrated Solutions, Inc.	Winamac, IN, United States	1.237%
Heat, Ventilation, Air Cond.	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.015%
Heat, Ventilation, Air Cond.	Formfab LLC	Rochester Hills, MI, United States	0.446%
Heat, Ventilation, Air Cond.	HS Automotive USA LLC	Enterprise, AL, United States	0.064%
Heat, Ventilation, Air Cond.	Standard Industrial Supply	Winamac, IN, United States	0.004%
Heat, Ventilation, Air Cond.	The Braun Corporation	Winamac, IN, United States	0.005%
Fuel system & Undercarriage	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.083%
Fuel system & Undercarriage	dlhBowles Inc.	Canton, OH, United States	0.012%
Fuel system & Undercarriage	Fluid Routing Solutions	Detroit, MI, United States	0.142%
Fuel system & Undercarriage	Formfab LLC	Rochester Hills, MI, United States	0.285%
Fuel system & Undercarriage	Standard Industrial Supply	Winamac, IN, United States	0.005%
Electronics / Switches & Senso	FEV North America Inc.	Auburn Hills, MI, United States	0.269%
Electronics / Switches & Senso	Umpco, Inc.	Garden Grove, CA, United States	0.000%
Electronics / Switches & Senso	Vista Manufacturing Inc	Elkhart, IN, United States	0.066%
Restraint Systems & Belts	QStraint USA	Atlanta, GA, United States	0.276%
Metal Machined Parts	Cutting Edge Machine & Tool	New Paris, IN, United States	0.022%
Metal Machined Parts	Kilgore Manufacturing Co. Inc.	Columbia City, IN, United States	0.025%
Metal Machined Parts	MJ Celco, Inc.	Schiller Park, IL, United States	0.013%
Metal Machined Parts	The Braun Corporation	Winamac, IN, United States	0.049%



Metal Machined Parts	Tricord International	Prattville, AL, United States	0.064%
OEM - Parts	Mopar, Dcx	Centerline, MI, United States	0.101%
OEM - Parts	The Pullman Company	Chicago, IL, United States	0.053%
Brake System	Cooper-Standard Automotive-FHS Inc.	Chicago, IL, United States	0.003%
Brake System	Formfab LLC	Rochester Hills, MI, United States	0.104%
Media / Decals / Literature	Dec-O-Art, Inc.	Elkhart, IN, United States	0.004%
Media / Decals / Literature	Mandala Screen Printing	Winamac, IN, United States	0.004%
Media / Decals / Literature	Sharpline Converting Inc.	Wichita, KS, United States	0.060%
Media / Decals / Literature	The Braun Corporation	Winamac, IN, United States	0.004%
Media / Decals / Literature	Webb Printing	Winamac, IN, United States	0.032%
Exhaust System & Components	Exhaust Productions Inc.	Merrillville, IN, United States	0.071%
Exhaust System & Components	Standard Industrial Supply	Winamac, IN, United States	0.010%
Option-Vehicle	The Braun Corporation	Winamac, IN, United States	0.072%
Vehicle Section - Qty Bearing	The Braun Corporation	Winamac, IN, United States	0.051%
Hydraulics / Hoses / Fittings	Cooper-Standard Automotive Fhs, Inc.	Chicago, IL, United States	0.027%
NVH	GDC, Inc	Goshen, IN, United States	0.018%
Raw Material	The Braun Corporation	Winamac, IN, United States	0.009%
Hardware - Nuts Bolts & Screws	Caplugs	Chicago, IL, United States	0.001%
Hardware - Nuts Bolts & Screws	ContiTech North America, Inc.	Atlanta, GA, United States	0.000%
Hardware - Nuts Bolts & Screws	Fastenal Company	Winona, MN, United States	0.000%
Hardware - Nuts Bolts & Screws	Mcmaster-Carr Supply Co.	Chicago, IL, United States	0.001%
Hardware - Nuts Bolts & Screws	Northern Technology Inc.	Scarborough, ON, Canada	0.000%
Hardware - Nuts Bolts & Screws	The Braun Corporation	Winamac, IN, United States	0.002%
Hardware - Nuts Bolts & Screws	Umpco, Inc.	Garden Grove, CA, United States	0.000%
Fastenal PayAsUsed	Fastenal Company	Winona, MN, United States	0.000%
<b>Grand Total</b>			<b>77.392%</b>

Cost of final assembly as related to  
cost of vehicle (percentage): 7.52%

Description of final assembly activities  
detailed on next page.

Date: 2/12/2021  
Signature:   
Print Name: Scott Alexander  
Title: Commercial Vehicle Inside Sales Senior Manager

**Description of final assembly activities:**

- (a) Seat Re-Engineering & Modifications - Remanufactured to be easily removable for wheelchair access.
- (b) Subsystem Re-Engineering & Modifications - Install new longer, reconfigured rear brake, fuel, heat, and air conditioning and fuel lines.
- (c) Fuel Tank System Re-Engineering & Modifications - Rotate, relocate, and reinstall to aft of the rear axle location. Install a new reconfigured fuel fill pipe assembly.
- (d) Floor Re-Engineering & Modifications - Add a new aft rear axle fuel tank support structure, a new spare tire/storage tub, and a new lowered floor structure, and various body work to accommodate the new lowered floor structure.
- (e) Exhaust Re-Engineering & Modifications - Install a new reconfigured exhaust pipe, hanger, brackets and muffler.
- (f) Engine/Transmission/Front Suspension Assembly Modifications - Modifications are made to the engine/transmission/front suspension assembly, including adding various types of spacing brackets, custom steering shaft extension, and two engine cradle safety bracket tube extensions. The engine/transmission/front suspension assembly is then reinstalled.  
In addition, a CARB compliant fuel system is installed, and the exhaust system and heat shields are installed.
- (g) Slide Door Re-Engineering & Modifications - Modifications made to accommodate a lowered floor/wheelchair ramp entrance; then doors reinstalled.
- (h) Rear Axle & Suspension Re-Engineering & Modifications - Modifications are made to the sway bar mounting, and coil spring mounts; reinstallation of rear axle.
- (i) Flooring & Walls - Installation of flooring substrate and covering. Walls are covered with new interior panels and trims.
- (j) Rear Bumper Re-Engineering & Modifications - Involves reinforcing the rear bumper, and reinstallation.
- (k) Wiring Re-Engineering & Modifications - Reconfiguration of the seating systems and airbag systems, and modifications to accommodate the wheelchair ramp system, slide door operation, and other accessibility modifications.
- (l) Ramp - Installation of the manual or power wheelchair ramps.
- (m) Paint & Undercoat - Newly installed components are painted and the entire floor is undercoated.
- (n) Miscellaneous - Among other things, the vehicle is inspected, weighed and recertified by The Braun Corporation.
- (o) Road Test
- (p) Final Wash
- (q) Final Inspection
- (r) Final repairs



## PRE-AWARD FMVSS COMPLIANCE CERTIFICATION

As required by 49 CFR part 663 - Subpart D, **State of West Virginia** (the recipient) certifies that it received, at the pre-award stage, a copy of The Braun Corporation's '(the manufacturer) self-certification information stating that the vehicles, Side Entry Lowered-Floor Minivan with Manual Doorway Folding Ramp - Type 1, will comply with the relevant Federal Motor Vehicle Safety Standard issued by the National Highway Traffic Safety Administration in 49 CFR part 571.

Date:

2/12/2021

Signature:

Print Name:

Scott Alexander

Title:

Commercial Vehicle Inside Sales Manager

TIRE AND LOADING INFORMATION				
SEATING CAPACITY		TOTAL	FRONT	REAR
The combined weight of occupants and cargo should never exceed _____ Kg or _____ Lbs.				
TIRE	SIZE	COLD TIRE PRESSURE		
FRONT		SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION		
REAR				
SPARE				

THE BRAUN CORPORATION	
631 W. 11th Street, Winamac, Indiana 46996	
This Vehicle was altered by THE BRAUN CORPORATION in and as altered it conforms to all applicable Federal Motor Vehicle Safety Bumper and Theft Prevention Standards affected by the alteration and in effect in	
Vehicle Type:	
Vin #:	
Available Payload Capacity:	LBS (Without Passengers & Warehouse)

MANUFACTURED BY: THE BRAUN CORPORATION ENTERVAN.COM	
DATE OF MANUFACTURE	MO. YR.
INCOMPLETE VEHICLE MANUFACTURED BY: CHRYSLER CORPORATION	
DATE INC. VEH. MFD.	MO. YR.
GAWR (____ KG) _____ LBS.	
GAWR FRONT (____ KG) _____ LBS.	
WITH _____ TIRES	
_____ RIMS, @ _____ PSI COLD	( _____ kPa cold)
GAWR REAR (____ KG) _____ LBS.	
WITH _____ TIRES	
_____ RIMS, @ _____ PSI COLD	( _____ kPa cold)
"THIS VEHICLE HAS BEEN COMPLETED IN ACCORDANCE WITH THE PRIOR MANUFACTURERS' IVD, WHERE APPLICABLE. THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY STANDARDS, [AND BUMPER AND THEFT PREVENTION STANDARDS, IF APPLICABLE] IN EFFECT IN ( _____ )" (MONTH / YEAR)	
VEHICLE IDENTIFICATION NO:	
VEHICLE TYPE:	



## Pre-Award Buy America

### PURCHASER'S REQUIREMENTS CERTIFICATION

Purchaser - FTA Grantee	State of West Virginia
Quantity	
Description of Vehicles	ADA Lowered Floor Minivans
Bid/RFP Contract Number	PTR2100000007

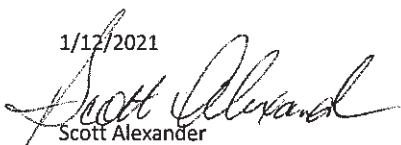
As required by Title 49 of the CFR, Part 663 - Subpart B, The Braun Corporation of Winamac, Indiana (the manufacturer) certifies that the documentation submitted in response to Maryland Department of Transportation (the recipient) rolling stock procurement solicitation meets the required Bid Specification Compliance with the Purchaser's Solicitation Specifications.

The manufacturer certifies that the rolling stock vehicles to be manufactured for the recipient are the same product described in the recipient's solicitation specification and the manufacturer is a responsible manufacturer with the capability to produce a rolling stock vehicle that meets the recipient's specifications set forth in the recipient's solicitation.

Date:

1/12/2021

Signature:



Print Name:

Scott Alexander

Title:

Commercial Vehicle Inside Sales Manager



# Introducing the **New Commercial Side-Entry** **Built on the Chrysler Voyager**



The Commercial Side-Entry wheelchair accessible vehicle has been a cost-effective, workhorse product for paratransit providers and transportation services. Leveraging almost 50 years of experience in mobility transportation solutions, BraunAbility introduces with the newest addition to the Commercial fleet, the Chrysler Voyager. The side-entry foldout has all the ADA-compliant features of the Dodge Grand Caravan but with 15% more cabin space for easier maneuverability, more seating positions, plus enhanced space at the toe pan for wheelchair footrests. The new conversion also features the much more durable thermoplastic (TPO) front, side and rear flares to absorb minor impacts while protecting the exterior look of the vehicle. An LED spotlight package for the ramp and cabin as well as an easy access footrest for rear seating adds to the overall ease of use for both operators and passengers.

- **15% more cabin space vs. Dodge Grand Caravan**
- **Seating for up to 7 ambulatory\*; up to 2 wheelchair positions**
- **Added space at front for wheelchair passenger footrests**
- **Hard-wearing TPO front, side and rear flares to absorb minor impacts**
- **Reinforced, heavy-duty swing-out ramp and latch**
- **Enhanced ADA lighting package**

\* With optional aftermarket 2nd row 2-passenger folding bench seat



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

800.488.0359

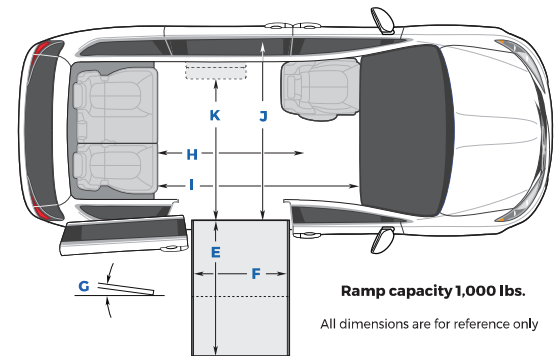
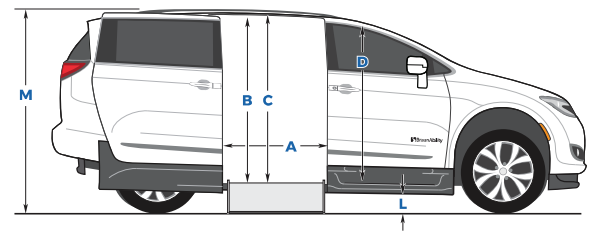


# Voyager Commercial Side-Entry



## Standard Features

- ADA, FMVSS and CMVSS Compliant
- CARB approved
- 7-passenger vehicle (with optional aftermarket 2nd row 2-passenger folding bench seat)
- Lowered floor from toepan to rear axle
- 60" floor-to-ceiling at center of van
- 30" wide manual ramp with 1,000 lb capacity and swing out feature for ambulatory access
- Multiple wheelchair securement locations
- One wheelchair securement system
- Manual driver and passenger side sliding door providing 56" vertical opening (ADA compliant), passenger door provides clear opening width of 31" (excluding OEM grab handle)
- Step-and-Roll removable front passenger seat
- 3-passenger bench seat at rear with folding footrest
- Front passenger floor tracks for wheelchair securement, with 60" floor-to-ceiling height
- TPO plastic lower body panels with integrated steps
- Vinyl flooring with 3/8" underlayment, a thermoplastic honeycomb panel subfloor
- ADA-compliant park interlock
- ADA-compliant ramp and door entrance lighting
- Priority seating and wheelchair securement location decals
- Auxiliary wiring harnesses include fused circuits
- Emergency rear hatch release
- Easy maintenance interior trim package
- 19 gallon OEM fuel tank



Ramp capacity 1,000 lbs.

All dimensions are for reference only

## Optional Features

- Aftermarket 2nd row 2-passenger folding bench seat
- DOT kit
- Additional set of tie-down straps

## Dimensions

Door opening usable width (excluding OEM grab handle)	<b>A</b>	31"
Door opening usable height (at middle of door)	<b>B</b>	56"
Interior height at center of vehicle	<b>C</b>	60"
Interior height at driver and passenger position	<b>D</b>	60"
Ramp length	<b>E</b>	52"
Ramp width (usable clear opening)	<b>F</b>	30"
Ramp angle*	<b>G</b>	13.75°
Interior floor length (behind front seat strikers)	<b>H</b>	71"
Overall interior floor length (flat area)	<b>I</b>	98.5"
Interior width at passenger doors (doors closed)	<b>J</b>	64"
Interior width - ramp (deployed) to optional 2-passenger seat (stowed)	<b>K</b>	49"
Ground clearance (loaded) @ = GVWR lbs**	<b>L</b>	5"
Overall vehicle height (unloaded)	<b>M</b>	81"

Due to manufacturing tolerances both with the OEM vehicle and the conversion components, all dimensions may vary slightly from those shown.

\* Ramp angle may vary based on chassis trim level and other environmental factors

\*\* 5" clearance between the break-over angle position of the vehicle exhaust pipe and level ground when loaded to capacity



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

800.488.0359

International Corporate Headquarters:

**The Braun Corporation**  
631 W. 11th Street  
P.O.Box 310  
Winamac, IN 46996 USA  
**1-800-THE LIFT**  
(574) 946-6153  
FAX: (574) 946-4670

[www.braunlift.com](http://www.braunlift.com)



## Reference List

Illinois Dept. of Transportation  
Division of Public & Intermodal Transportation  
300 West Adams St., 2<sup>nd</sup> Floor  
Chicago, IL 60606  
Contact: Mike Healy  
Phone: 312-793-2184

California Department of Transportation  
Headquarters  
Division of Mass Transportation  
1120 N Street, MS 39  
Sacramento, CA 95814  
Contact: Frank J. Nevitt IV  
Phone: 916-654-9495

Louisiana Department of Transportation & Development  
8900 Jimmy Wedell Drive  
Baton Rouge, LA 70807  
Contact: Tina Athalone  
Phone: 225-274-4361

Indiana Department of Transportation – Public Transit Section  
100 North Senate, 9<sup>th</sup> Floor  
Indianapolis, IN 46204  
Contact: Brian Jones  
Phone: 317-232-1493

Arkansas Department of Transportation  
10324 Interstate 30  
Little Rock, AR 72203-2261  
Contact: Charles A. Brewer  
Phone: 501-569-2478

Rural Transit Enterprises Coordinated, Inc. d/b/a RTEC  
100 Main Street  
Mt. Vernon, KY 40456  
Contact: Sheila Stallsworth  
Phone: 606-256-9835

## **2021 Chrysler Voyager L**



**Chrysler of Forest City**







**Prepared For:**

**Prepared By:**

Administrator  
Chrysler of Forest City  
1445 Hwy 69 S  
Forest City, Iowa, 50436

## INDEX

## 2021 Chrysler Voyager

Passenger Van L (RUC53)

### Description

### Page

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Dimensions & Capacities .....	8
Warranty .....	10
Window Sticker .....	11



**Prepared For:**

**Prepared By:**

Administrator  
Chrysler of Forest City  
1445 Hwy 69 S  
Forest City, Iowa, 50436

## VEHICLE OVERVIEW

## 2021 Chrysler Voyager

Passenger Van L (RUC53)

### Powertrain

3.6L V-6 DOHC SMPI 24 valve engine with VVT variable valve control, cylinder deactivation \* 180 amp alternator \* 650 amp battery with run down protection, auxiliary battery \* Engine block heater, engine oil cooler, transmission oil cooler \* 9-speed electronic automatic transmission with overdrive, lock-up \* Front-wheel drive \* ABS & driveline traction control \* 3.25 axle ratio \* Stainless steel exhaust

### Steering and Suspension

Electric power-assist rack and pinion steering \* 4-wheel disc brakes with front vented discs \* Electronic stability \* Independent front suspension \* Front strut suspension \* Front anti-roll bar \* Front coil springs \* Gas-pressurized front shocks \* Rear independent suspension \* Rear trailing arm suspension \* Rear coil springs \* Gas-pressurized rear shocks \* Front and rear 17.0" x 7.50" steel wheels with full wheel covers \* P235/65HR17.0 BSW AS front and rear tires

### Safety

4-wheel anti-lock braking system \* Daytime running lights, center high mounted stop light \* Dual airbags, seat mounted driver and passenger side-impact airbags, curtain 1st, 2nd and 3rd row overhead airbag, airbag occupancy sensor, driver and passenger knee airbag \* Front and rear height adjustable seatbelts with front pre-tensioners \* Sentry Key immobilizer, panic alarm

### Comfort and Convenience

Automatic dual zone front air conditioning, rear HVAC, air filter, underseat ducts, headliner/pillar ducts, supplemental heater \* AM/FM stereo, clock, seek-scan, Uconnect external memory control, 6 speakers, Siri Eyes Free voice activation, speed sensitive volume, Bluetooth streaming audio, active noise cancellation, integrated roof antenna \* 2 1st row LCD monitors \* Cruise control with steering wheel controls \* Power door locks with 2 stage unlock, keyfob (all doors) keyless entry, child safety rear door locks, tailgate/rear door lock included with power door locks \* 2 12V DC power outlets, driver foot rest, retained accessory power, Bluetooth wireless phone connectivity \* Analog instrumentation display includes tachometer, oil pressure gauge, engine temperature gauge, voltmeter gauge, oil temperature gauge, transmission fluid temp gauge, compass, exterior temp, systems monitor, redundant digital speedometer, camera(s) - rear camera, trip computer, trip odometer \* Warning indicators include oil pressure, engine temperature, battery, lights on, key, low fuel, low washer fluid, door ajar, rear cargo ajar, service interval, brake fluid, turn signal on, tire specific low tire pressure, transmission fluid temp \* Steering wheel with tilt and telescopic adjustment \* Power front and rear windows with deep tint, driver 1-touch down, fixed rearmost windows \* Variable intermittent front windshield wipers, fixed interval rear wiper, rear window defroster \* Dual illuminated vanity mirrors \* Day-night rearview mirror \* Interior lights include dome light with fade, front reading lights, illuminated entry \*

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## VEHICLE OVERVIEW Continued

### Comfort and Convenience (Continued)

Partial floor console with storage, locking glove box, front and rear cupholders, instrument panel bin, driver and passenger door bins, rear door bins \* Carpeted cargo floor, plastic trunk lid/rear cargo door, carpet mat, cargo tie downs, cargo concealed storage, tire mobility kit

### Seating and Interior

Seating capacity of 7 \* Bucket front seats with adjustable head restraints with tilt, driver and passenger armrests \* 6-way adjustable driver seat \* 4-way adjustable passenger seat \* Full folding bench 2nd row seat with fold forward seatback, reclining 2 adjustable rear head restraints, armrest mounted outboard only \* 3rd row seat 60-40 folding split-bench fold into floor with reclining fold into floor, 3 fixed 3rd row head restraints \* Cloth faced front seats with cloth back material \* Cloth faced rear seats with carpet back material \* Cloth faced 3rd row seats with carpet back material \* Full cloth headliner, full carpet floor covering, colored instrument panel insert, metal-look gear shifter material, colored door panel insert, piano black console insert, piano black/metal-look interior accents

### Exterior Features

Rear lip spoiler, side impact beams, front license plate bracket, galvanized steel/aluminum body material \* Chrome side window moldings \* Black door handles \* Black grille \* 4 doors with sliding rear driver's side door, sliding rear passenger's side door liftgate rear cargo door \* Driver and passenger power remote body-colored heated folding outside mirrors \* Front and rear body-colored bumpers \* Aero-composite halogen auto off headlamps with multiple headlamps, delay-off feature \* Clearcoat monotone paint

### Warranty

Basic .....	36 month/36,000 miles	Powertrain .....	60 month/60,000 miles
Corrosion Perforation .....	60 month/unlimited mileage	Roadside Assistance .....	60 month/60,000 miles

### Dimensions and Capacities

Output .....	287 hp @ 6,400 rpm	Torque .....	262 lb.-ft. @ 4,000 rpm
Drag coefficient .....	0.30	1st gear ratio .....	4.710
2nd gear ratio .....	2.840	3rd gear ratio .....	1.910
4th gear ratio .....	1.380	5th gear ratio .....	1.000
6th gear ratio .....	0.810	7th gear ratio .....	0.700
8th gear ratio .....	0.580	9th gear ratio .....	0.480
Reverse gear ratio .....	3.810	City/hwy .....	19 mpg/28 mpg
Curb weight .....	4,330 lbs.	GVWR .....	6,055 lbs.
Towing capacity .....	3,600 lbs.	Front legroom .....	41.1 "
Rear legroom .....	39.0 "	Third legroom .....	36.5 "
Front headroom .....	40.1 "	Rear headroom .....	39.6 "
Third headroom .....	38.7 "	Front hiproom .....	59.0 "
Rear hiproom .....	64.8 "	Third hiproom .....	49.5 "
Front shoulder room .....	63.8 "	Rear shoulder room .....	63.0 "
Third shoulder room .....	61.2 "	Passenger area volume .....	165.0 cu.ft.
	203.8 "		79.6 "

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## VEHICLE OVERVIEW Continued

### Dimensions and Capacities (Continued)

Length .....		Body width .....	
Body height .....	69.9 "	Wheelbase .....	121.6 "
Front track .....	68.3 "	Rear track .....	68.3 "
Turning radius .....	19.8 '	Fuel tank .....	19.0 gal.
Interior cargo volume .....	32.3 cu.ft.	Interior cargo volume seats folded .....	87.5 cu.ft.
Interior maximum cargo volume .....	140.5 cu.ft.		

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Prepared For:

Prepared By:  
Administrator  
Chrysler of Forest City  
1445 Hwy 69 S  
Forest City, Iowa, 50436

## SELECTED EQUIPMENT

## 2021 Chrysler Voyager

Passenger Van L (RUCE53)

MSRP

RUCE53	Base Vehicle Price (RUCE53)	STD	27,235.00
<b>Emissions</b>			
NAS	50 State Emissions	OPT	N/C
<b>Packages</b>			
27B	Quick Order Package 27B	OPT	N/C
<b>Powertrain</b>			
ERC	Engine: 3.6L V6 24V WVT UPG I w/ESS	STD	N/C
DFH	Transmission: 9-Speed 948TE Automatic	STD	N/C
STDAX	3.25 Axle Ratio	STD	N/C
Z1A	GVWR: 6,055 lbs	STD	N/C
<b>Wheels &amp; Tires</b>			
TMK	Tires: 235/65R17 BSW AS	STD	N/C
WFU	Wheels: 17" x 7.5" Steel	STD	N/C
<b>Seats &amp; Seat Trim</b>			
H7	Cloth Bucket Seats	STD	N/C
CEQ	Black Seats	OPT	N/C
<b>Other Options</b>			
APA	Monotone Paint Application	STD	N/C
SDA	Normal Duty Suspension	STD	N/C

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## SELECTED EQUIPMENT Continued

			MSRP
UAG	Radio: Uconnect 4 w/7" Display	STD	N/C
HAK	Air Conditioning w/3 Zone Temp Control <i>Rear Air Conditioning w/Heater</i>	OPT	445.00
NHK	Engine Block Heater	OPT	115.00
JB2	Instrument Panel Anodized Silver Bezel	OPT	N/C
XS1	Mineral Shitake Accents	OPT	N/C
<b>Interior Colors For : Primary w/L</b>			
X7	Black/Alloy/Black	OPT	N/C
<b>Primary Colors For : Primary w/L</b>			
PW7	Bright White Clearcoat	OPT	N/C
<b>Vehicle Subtotal</b>			<b>\$27,795.00</b>
<b>Destination</b>			<b>\$1,495.00</b>
<b>Vehicle Subtotal (including Destination)</b>			<b>\$29,290.00</b>

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Prepared For:

Prepared By:  
Administrator  
Chrysler of Forest City  
1445 Hwy 69 S  
Forest City, Iowa, 50436

## DIMENSIONS & CAPACITIES

## 2021 Chrysler Voyager

Passenger Van L (RUC53)

Output .....	287 hp @ 6,400 rpm
Torque .....	262 lb.-ft. @ 4,000 rpm
Drag coefficient .....	0.30
1st gear ratio .....	4.710
2nd gear ratio .....	2.840
3rd gear ratio .....	1.910
4th gear ratio .....	1.380
5th gear ratio .....	1.000
6th gear ratio .....	0.810
7th gear ratio .....	0.700
8th gear ratio .....	0.580
9th gear ratio .....	0.480
Reverse gear ratio .....	3.810
City/hwy .....	19 mpg/28 mpg
Curb weight .....	4,330 lbs.
GVWR .....	6,055 lbs.
Towing capacity .....	3,600 lbs.
Front legroom .....	41.1 "
Rear legroom .....	39.0 "
Third legroom .....	36.5 "
Front headroom .....	40.1 "
Rear headroom .....	39.6 "
Third headroom .....	38.7 "
Front hiproom .....	59.0 "
Rear hiproom .....	64.8 "
Third hiproom .....	49.5 "
Front shoulder room .....	63.8 "
Rear shoulder room .....	63.0 "
Third shoulder room .....	61.2 "
Passenger area volume .....	165.0 cu.ft.
Length .....	203.8 "
Body width .....	79.6 "
Body height .....	69.9 "
Wheelbase .....	121.6 "

The information contained in this package is provided to assist in assessing our vehicles and is for your information only. Prices and content information shown are subject to change and should be treated as estimates only. Information on the comparison vehicle is derived from available public sources and may not be completely current or accurate. No representations, warranties or guarantees are given in the information. Neither Chrysler nor the dealer will be liable for any reliance on the contents hereof. Please see salesperson for the most current information and other details. Actual pricing may vary. Reference DX05103297 6/12/2020

## DIMENSIONS & CAPACITIES Continued

Front track .....	68.3 "
Rear track .....	68.3 "
Turning radius .....	19.8 '
Fuel tank .....	19.0 gal.
Interior cargo volume .....	32.3 cu.ft.
Interior cargo volume seats folded .....	87.5 cu.ft.
Interior maximum cargo volume .....	140.5 cu.ft.

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**Prepared For:**

**Prepared By:**  
Administrator  
Chrysler of Forest City  
1445 Hwy 69 S  
Forest City, Iowa, 50436

## WARRANTY

## 2021 Chrysler Voyager

**Passenger Van L (RUC53)**

### Months/Distance

Basic .....	36 month/36,000 miles
Powertrain .....	60 month/60,000 miles
Corrosion Perforation .....	60 month/unlimited mileage
Roadside Assistance .....	60 month/60,000 miles

The information contained in this package is provided to assist in assessing our vehicles and is for your information only. Prices and content information shown are subject to change and should be treated as estimates only. Information on the comparison vehicle is derived from available public sources and may not be completely current or accurate. No representations, warranties or guarantees are given in the information. Neither Chrysler nor the dealer will be liable for any reliance on the contents hereof. Please see salesperson for the most current information and other details. Actual pricing may vary. Reference DX05103297 6/12/2020

2021 Chrysler Voyager Passenger Van L (RUCE53)

Engine: 3.6L V6 24V VVT UPG I w/ESS

Transmission: 9-Speed 948TE Automatic

Exterior (0 P) Bright White  
Clearcoat

Interior (0 I) Black/Alloy/Black



Standard Equipment

Items Featured Below are included at NO EXTRA CHARGE in the Standard Vehicle Price Shown at Right

- 3.6L V-6 DOHC w/SMPI 287hp
  - 9 speed automatic trans w/OD
  - 4-wheel ABS
  - Brake assistance
  - Traction control
  - P235/65R17 BSW H-rated tires
  - Battery with run down protection
  - Electronic stability
  - Air conditioning
  - AM/FM stereo
  - Daytime running lights
  - Rear child safety locks
  - Dual power remote heated mirrors
- Variable intermittent wipers
  - Full wheel covers
  - Dual front airbags
  - Driver & front passenger seat mounted side airbags
  - Airbag occupancy sensor
  - Sentry Key immobilizer
  - Rear window defogger
  - Tachometer
  - Trip computer
  - Underseat ducts
  - Reclining front bucket seats
  - Full folding 2nd row bench seat
  - 60-40 folding 3rd row split-bench seats

STANDARD VEHICLE PRICE \$27,235.00

OPTIONAL EQUIPMENT

50 State Emissions	N/C
Quick Order Package 27B	N/C
Engine: 3.6L V6 24V VVT UPG I w/ESS	STD
Transmission: 9-Speed 948TE Automatic	STD
3.25 Axle Ratio	STD
GVWR: 6,055 lbs	STD
Tires: 235/65R17 BSW AS	STD
Wheels: 17" x 7.5" Steel	STD
Cloth Bucket Seats	STD
Black Seats	N/C
Normal Duty Suspension	STD
Radio: Uconnect 4 w/7" Display	STD
Air Conditioning w/3 Zone Temp Control	\$445.00
Engine Block Heater	\$115.00
Instrument Panel Anodized Silver Bezel	N/C
Mineral Shitake Accents	N/C
Interior : Black/Alloy/Black	N/C
Primary : Bright White Clearcoat	N/C

CITY MPG  
19



HIGHWAY MPG  
28

SUBTOTAL	\$27,795.00
Destination	\$1,495.00

TOTAL \$29,290.00



# PERRY JOHNSON REGISTRARS, INC.

## *Certificate of Registration*

*Perry Johnson Registrars, Inc., has audited the Quality Management System of:*

***The Braun Corporation  
d.b.a. BraunAbility***

***631 West 11th Street, Winamac, IN 46996 United States***

*(Hereinafter called the Organization) and hereby declares that  
Organization is in conformance with:*

***ISO 9001:2015***

*This Registration is in respect to the following scope:*

***Design, Manufacture and Assembly of Wheelchair Accessible  
Vehicles, Wheelchair Lifts For Vehicle Applications,  
Wheelchair Toppers, and Other Mobility Products***

*This Registration is granted subject to the system rules governing the Registration referred to above, and the  
Organization hereby covenants with the Assessment body duty to observe and comply with the said rules.*

Terry Boboige, President

Perry Johnson Registrars, Inc. (PJR)  
755 West Big Beaver Road, Suite 1340  
Troy, Michigan 48084  
(248) 358-3388



*The use of the UKAS accreditation symbol is in respect to the activities covered by the Accreditation Certificate Number 0105.*

*The validity of this certificate is dependent upon ongoing surveillance.*

*Effective Date:*

July 31, 2020

*Expiration Date:*

July 30, 2023

*Certificate No.:*

C2020-00408



is proud to recognize

**BraunAbility** — WINAMAC

QUALIFIED SINCE

**2018**

A handwritten signature in black ink, appearing to be "Mark Patel".

Mark Patel  
Q-Pro Program Manager

A handwritten signature in black ink, appearing to be "Brock Winczewski".

Brock Winczewski  
FCA Commercial Team Manager

A handwritten signature in black ink, appearing to be "Joseph Crowley".

Joseph Crowley  
Head of Commercial Vehicles



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Ram and the Ram's Head and Q-Pro logos are trademarks of FCA US LLC.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ PTR2100000007**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

*(Check the box next to each addendum received)*

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Creative Bus Sales, Inc.

Company



Authorized Signature

2/12/2021

Date

**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.



STATE OF WEST VIRGINIA  
Purchasing Division

## PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.


**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Creative Bus Sales, Inc.

Authorized Signature: 

Date: 2/12/2021

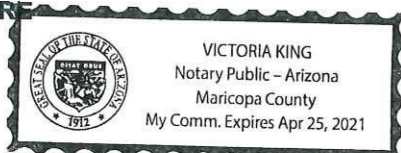
State of Arizona

County of Maricopa, to-wit:


Taken, subscribed, and sworn to before me this 12th day of February, 2021.

My Commission expires April 25th, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC



Purchasing Affidavit (Revised 01/19/2018)