



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.

Header #:

[Link View](#)

General Information Contact Default Values Discount Document Information Certification Request

Procurement Folder: 101000

Procurement Type: Central Master Agreement

Vendor ID: 000000187501

Legal Name: DOMY MERRYMAN INC

Alias(USA)

Total Bid: 50.00

Response Date: 02/04/2025

Response Time: 15:24

Responded By User ID: 100013658

First Name: Trey

Last Name: Jlyou

Email: trey@koozymerryman.com

Phone: 804-514-9789

SO Doc Code: CRFG

SO Dept: 0010

SO Doc ID: 08T2509000001

Published Date: 10/1/25

Close Date: 2/6/25

Close Time: 13:30

Status: Closed

Solicitation Description: Passenger Type Van Transit Vehicle

Total of Header Attachments: 2

Total of All Attachments: 2



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: 1513032
Solicitation Description: Passenger Type Van Transit Vehicle
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2025-02-06 13:30	SR 0810 ESR02042500000004770	1

VENDOR
000000197591
SONNY MERRYMAN INC

Solicitation Number: CRFQ 0810 DMT2500000003
Total Bid: 0
Response Date: 2025-02-04
Response Time: 13:24:07
Comments:

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X FEIN# DATE

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	Passenger Type Van Transit Vehicle	69.00000	EA	0.000000	0.00

Comm Code	Manufacturer	Specification	Model #
25101502			

Commodity Line Comments: Total cost for all classes of vehicles is \$6,014,555

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.
Federal Terms and Conditions Apply



January 28, 2025

State of West Virginia
Department of Administration Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Mr. Estep:

Thank you for the opportunity to submit this bid in response to your Request for Quotation CRFQ 0810 DMT2500000003. We are offering the 2025 Ford T-350 XLT Medium Roof Transit Van. These vehicles will be manufactured in Akron, Ohio. Should we receive an award for this solicitation, we will provide the material as outlined in the bid. We have included in our pricing the extended powertrain warranty to 6 years/100,000 miles.

Also addressed and included in the proposal are curb weights, floorplans and service/warranty locations to be used to maintain vehicles. We are in full understanding of the training requirements and will provide personnel to conduct training if we are the successful bidder. The lead time for this vehicle is 150 days from the date of PO.

Thank you again for this opportunity. Please call if you have questions.

Sincerely,

A handwritten signature in black ink that reads 'Trey Myers'. The signature is written in a cursive, flowing style.

Trey Myers
Commercial Vehicle Sales
Sonny Merryman Inc.
804-514-9289
trey@sonnymerryman.com

*To please our customers.
To serve our communities.
To drive people forward.*



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: 1513032			Reason for Modification:
Doc Description: Passenger Type Van Transit Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-12-11	2025-01-08 13:30	CRFQ 0810 DMT2500000003	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591
Vendor Name : Sonny Merryman Inc.
Address : 5120 Wards Road Evington, VA 24550
Street : 5120 Wards Road
City : Evington
State : VA **Country :** USA **Zip :** 24550
Principal Contact : Trey Myers
Vendor Contact Phone: 804-514-9289 **Extension:**

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X *Trey Myers* **FEIN#** 54-0806-176 **DATE** 01/07/2025

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

ADDITIONAL INFORMATION**REQUEST FOR QUOTAION:**

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO

PUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 663

1900 KANAWHA BLVD E
CHARLESTON WV
US

SHIP TO

PUBLIC TRANSIT DIVISION
OF
KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY

1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27

	Document Phase	Document Description	Page 3
DMT2500000003	Final	Passenger Type Van Transit Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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: 1513032			Reason for Modification: ADDENDUM NO_1 Revised Specifications
Doc Description: Passenger Type Van Transit Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-12-12	2025-01-08 13:30	CRFQ 0810 DMT2500000003	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591
Vendor Name : Sonny Merryman Inc.
Address : 5120 Wards Road Evington, VA 24550
Street : 5120 Wards Road
City : Evington
State : VA **Country :** USA **Zip :** 24550
Principal Contact : Trey Myers
Vendor Contact Phone: 804-514-9289 **Extension:**

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X *Trey Myers*

FEIN# 54-0806-176

DATE 01/07/2025

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

ADDITIONAL INFORMATION

Addendum No_1

Addendum No_1 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTAION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO

PUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 663

1900 KANAWHA BLVD E
CHARLESTON WV
US

SHIP TO

PUBLIC TRANSIT DIVISION
OF

KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY

1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27

	Document Phase	Document Description	Page 3
DMT2500000003	Final	Passenger Type Van Transit Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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: 1513032			Reason for Modification: ADDENDUM NO_2 Vendor Questions and Responses New Revised Specifications Bid Opening Moves to 01/29/2025
Doc Description: Passenger Type Van Transit Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-03	2025-01-29 13:30	CRFQ 0810 DMT2500000003	3

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591
Vendor Name : Sonny Merryman Inc.
Address : 5120 Wards Road Evington, VA 24550
Street : 5120 Wards Road
City : Evington
State : Va **Country :** USA **Zip :** 24550
Principal Contact : Trey Myers
Vendor Contact Phone: 804-514-9289 **Extension:**

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X *Trey Myers* **FEIN#** 54-0806-176 **DATE** 01/07/2025

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

ADDITIONAL INFORMATION
Addendum No_2
Addendum No_2 issued to publish and distribute the attached information to the Vendor Community
REQUEST FOR QUOTAION: The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO	SHIP TO
PUBLIC TRANSIT DIVISION OF BLDG 5 RM 663 1900 KANAWHA BLVD E CHARLESTON WV US	PUBLIC TRANSIT DIVISION OF KANAWHA VALLEY REGIONAL TRANSPORTATION AUTHORITY 1550 FOURTH AVE CHARLESTON WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:
To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS		
<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27

	Document Phase	Document Description	Page 3
DMT2500000003	Final	Passenger Type Van Transit Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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: 1513032			Reason for Modification: ADDENDUM NO_3 Vendor Questions and responses
Doc Description: Passenger Type Van Transit Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-10	2025-01-29 13:30	CRFQ 0810 DMT2500000003	4

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591
Vendor Name : Sonny Merryman Inc.
Address : 5120 Wards Road Evington, VA 24550
Street : 5120 Wards Road
City : Evington
State : Va **Country :** USA **Zip :** 24550
Principal Contact : Trey Myers
Vendor Contact Phone: 804-514-9289 **Extension:**

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X *Trey Myers*

FEIN# 54-0806-176

DATE 01/22/2025

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

ADDITIONAL INFORMATION

Addendum No_3

Addendum No_3 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTAION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO

PUBLIC TRANSIT DIVISION
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BLDG 5 RM 663

1900 KANAWHA BLVD E
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SHIP TO

PUBLIC TRANSIT DIVISION
OF
KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY

1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27



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: 1513032

Doc Description: Passenger Type Van Transit Vehicle

Reason for Modification:

ADDENDUM NO_4
Vendor Questions and Responses

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-27	2025-01-29 13:30	CRFQ 0810 DMT2500000003	5

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591

Vendor Name : Sonny Merryman Inc.

Address : 5120 Wards Road Evington, VA 24550

Street : 5120 Wards Road

City : Evington

State :Va

Country : USA

Zip :24550

Principal Contact : Trey Myers

Vendor Contact Phone: 804-514-9289

Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X *Trey Myers*

FEIN# 54-0806-176

DATE 01/27/2025

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

ADDITIONAL INFORMATION

Addendum No_4

Addendum No_4 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTAION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO

PUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 663

1900 KANAWHA BLVD E
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US

SHIP TO

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OF
KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY
1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27



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: 1513032			Reason for Modification: ADDENDUM NO_5 Bid Opening Moves to 02/06/25
Doc Description: Passenger Type Van Transit Vehicle			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-28	2025-02-06 13:30	CRFQ 0810 DMT2500000003	6

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591
Vendor Name : Sonny Merryman Inc.
Address : 5120 Wards Road Evington, VA 24550
Street : 5120 Wards Road
City : Evington
State : Va **Country :** USA **Zip :** 24550
Principal Contact : Trey Myers
Vendor Contact Phone: 804-514-9289 **Extension:**

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X *Trey Myers* **FEIN#** 54-0806-176 **DATE** 01/28/2025

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

ADDITIONAL INFORMATION

Addendum No_5

Addendum No_5 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTAION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TOPUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 6631900 KANAWHA BLVD E
CHARLESTON WV
US**SHIP TO**PUBLIC TRANSIT DIVISION
OFKANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27

	Document Phase	Document Description	Page 3
DMT2500000003	Final	Passenger Type Van Transit Vehicle	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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: 1513032

Doc Description: Passenger Type Van Transit Vehicle

Reason for Modification:

ADDENDUM NO_6
Vendor Question and Response

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2025-01-31	2025-02-06 13:30	CRFQ 0810 DMT2500000003	7

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000197591

Vendor Name : Sonny Merryman Inc.

Address : 5120 Wards Road Evington, VA 24550

Street : 5120 Wards Road

City : Evington

State : VA

Country : USA

Zip : 24550

Principal Contact : Trey Myers

Vendor Contact Phone: 804-514-9289

Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X *Trey Myers*

FEIN# 54-0806-176

DATE 01/31/2025

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

ADDITIONAL INFORMATION

Addendum No_6

Addendum No_6 issued to publish and distribute the attached information to the Vendor Community

REQUEST FOR QUOTAION:

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Multimodal Transportation Facilities Division - Public Transit and, any other state agency that desires to utilize this contract, to establish an open-end contract for Passenger Type Van transit vehicles that may, depending on the Class, accommodate wheelchair spaces with securements, fold down flip seats and /or fixed seats, and a lift to provide transportation for the disabled. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO

PUBLIC TRANSIT DIVISION
OF
BLDG 5 RM 663

1900 KANAWHA BLVD E
CHARLESTON WV
US

SHIP TO

PUBLIC TRANSIT DIVISION
OF
KANAWHA VALLEY
REGIONAL
TRANSPORTATION
AUTHORITY

1550 FOURTH AVE
CHARLESTON WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Passenger Type Van Transit Vehicle	69.00000	EA		

Comm Code	Manufacturer	Specification	Model #
25101502			

Extended Description:

To establish an open ended contract for Passenger Type Van Transit Vehicle. The vehicles will be utilized to assist public transportation throughout the state for the 5310 and 5311 programs. The will be used in urban, sub-urban, and rural areas that includes hilly terrains and varying weather climates. These climates and road conditions require vehicles that possess stop-start duty cycles and enough mechanical specifications to safely travel throughout urban, suburban, and rural areas.

Federal Terms and Conditions Apply

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2024-12-27

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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 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 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.

Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/07/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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 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 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.

Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/07/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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 type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input checked="" 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 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.

Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/22/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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.

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<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

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Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/27/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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.

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Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/28/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DMT2500000003

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.

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Sonny Merryman Inc.

Company

Trey Myers

Authorized Signature

01/31/2025

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

- 17.1.3 Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the Agency's designated location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.

18. VENDOR DEFAULT:

- 18.1** The Following shall be considered a vendor default under this Contract.
- 18.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.
 - 18.1.2 Failure to comply with other specifications and requirements contained herein.
 - 18.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.
 - 18.1.4 Failure to remedy deficient performance upon request.
- 18.2** The Following remedies shall be available to Agency upon default.
- 18.2.1 Immediate cancellation of the Contract.
 - 18.2.2 Immediate cancellation of one or more release orders issued under this Contract.
 - 18.2.3 Any other remedies available in law or equity.

20. 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: Trey Myers

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

Telephone Number: 804-514-9289

Fax Number: 434-821-8203

Email Address: trey@sonnymerryman.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 Van Transit Vehicle

CRFQ - Exhibit A PRICING PAGE				
Passenger Type Van Transit Vehicles				
VENDOR NAME:				
Manufacturer/ Brand:				
		Unit Price	Estimated	Extender
Class	Item Description	Per Vehicle	Quantity	Price
A	Van – 150 or equivalent chassis - driver, four passengers, two wheelchair spaces, rear lift.	\$83,095	10	\$830,950
B	Van – 150 or equivalent chassis - driver, four passengers, one wheelchair space, side lift	\$84,095	10	\$840,950
C	Van - 250-350 or equivalent chassis – driver, eight passengers, one wheelchair space, rear lift	\$86,095	12	\$1,033,140
D	Van - 250-350 or equivalent chassis – driver, seven passengers, one wheelchair space, side lift	\$85,595	12	\$1,027,140
E	Van - 250-350 or equivalent chassis – driver, ten passengers, rear lift.	\$78,095	5	\$390,475
F	Van - 250-350 or equivalent all-wheel drive chassis – driver, eight passengers, one wheelchair space, rear lift	\$95,095	10	\$950,950
G	Van - 250-350 or equivalent all-wheel drive chassis – driver, seven passengers, one wheelchair space, side lift	\$94,095	10	\$940,950
			Total	\$6,014,555
*Complete Form provided.				
*Please note these are only estimated quantities and do not reflect any guarantee of purchase.				
*The WV DMTF-PT may purchase more or less as needed.				

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #1

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: Brady Childress

Address: 5120 Wards Road Evington, VA 24550

Telephone: 434-821-1000

Name: Tim George

Address: 5120 Wards Road Evington, VA 24550

Telephone: 434-821-1000

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

Name: Derek Shelton

Address: 5120 Wards Road Evington, VA 24550

Telephone: 434-821-1000

Name: _____

Address: _____

Telephone: _____

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #2

CERTIFICATION FOR AIR & WATER POLLUTION

The Vendor certifies that the vehicles proposed:

ARE ☒ 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.

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

Sonny Merryman Inc.

Company Name

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #3

**DISADVANTAGED BUSINESS ENTERPRISE
VENDORS/ MANUFACTURERS CERTIFICATION**

(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.

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

Sonny Merryman Inc.

Company Name

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #4

**BUY AMERICA CERTIFICATION
ROLLING STOCK**

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:

01/07/2025

Date

Trey Myers

Authorized Signature

Sonny Merryman Inc.

Company Name

Trey Myers

Name

Commercial Vehicle Sales

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 Van Transit Vehicle

BID FORM #5

**FEDERAL MOTOR VEHICLE
SAFETY STANDARDS CERTIFICATION**

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.

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

Sonny Merryman Inc.

Company Name

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #6
U.S. Comptroller's Debarment List Certification

Trey Myers - Sonny Merryman Inc. _____ hereby certifies that it

_____ IS or

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

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

Sonny Merryman Inc.

Company Name

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #7

**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),
Sonny Merryman 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),
Sonny Merryman 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.

Trey Myers Commercial Vehicle Sales
Signature and Title of Authorized Official

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #8

***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.

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

Sonny Merryman Inc.

Company Name

SPECIFICATION COMPLIANCE

NOTE: Please check if what is offered is in exact compliance with specifications. **Any discrepancies required 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
<30' Length Cutaway Bus

BID FORM #9

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) Driver Vehicle Innovations 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.

1/27/2025
Date

Kurt H. Palmer
Authorized Signature

Business Manager
Title

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #9

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) Sonny Merryman 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.

01/07/2025

Date

Trey Myers

Authorized Signature

Commercial Vehicle Sales

Title

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

BID FORM #10

REQUIRED BID DOCUMENTATION CHECKLIST

Model Year: 2025

Model: Ford Transit T-350

Bid Forms

- ☒ 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
Passenger Type Van Transit Vehicle

Documentation – to be submitted with bid:

Referenced

- | | | |
|------------|---------|---|
| <u>✓</u> | 3.1 | Engine: gasoline minimum 3.5L: provide product description, Warranty information and product literature. |
| <u>✓</u> | 3.2 | High Idle System: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.3 | Transmission (separate cooling system): provide product description, warranty information and product literature. |
| <u>✓</u> | 3.4 | Back Up Camera System: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.5 | Tires: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.6 | Alternator: provide product description, warranty information and product literature. |
| <u>N/A</u> | 3.8 | Exterior Vinyl Colors: provide samples/chart of available colors. |
| <u>✓</u> | 3.9 | Undercoating and Rustproofing: provide product description, warranty information and literature. |
| <u>✓</u> | 3.10 | Ambulatory Passenger Entrance/Exit: provide location, size, door operating details. |
| <u>✓</u> | 3.13 | Seating: provide product description, warranty information, product literature and color charts for all the seating products to be utilized. Proposed floor plans. |
| <u>✓</u> | 3.27.11 | Driver's Seat: provide description of product. |
| <u>✓</u> | 3.14 | Exterior Mirrors: provide product description, warranty information and product literature. |
| <u>N/A</u> | 3.15 | Dual Purpose Safety Vent: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.16 | Wheelchair Securement System: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.17 | Strap/Buckle Storage: provide description and location of product. |
| <u>✓</u> | 3.18 | Wheelchair Occupant Restraint System: provide product description, warranty information and product literature. |
| <u>✓</u> | 3.19 | Wheelchair Lift: provide Make, Model #, product description, warranty information and product literature. |

REQUEST FOR QUOTATION
Passenger Type Van Transit Vehicle

- ☒ 3.20 AM/FM Radio/CD: provide product description, warranty information and product literature.
- ☒ 3.21 Training: submit letter of understanding to the terms in this Section.
- ☐ 3.22 Fare box Provisions (if applicable): provide description of proposed location-
- ☐ 3.23 Destination Signs (if applicable): provide product description, warranty information and product literature.
- ☒ 3.26 Security Cameras Only: provide product description, warranty information and product literature.
- ☒ 3.27 Security Camera System Including Playback: provide product description, warranty information and product literature.
- ☒ 3.28 Warranty on complete vehicle.
- ☒ 3.29 Warranty on Basic Vehicle Structure.
- ☒ 3.30 Warranty: warranties to be provided on subsystems and components.
- ☒ 3.31 Complete two (2) bids in binder form – one (1) marked for DPT.
- ☒ 3.32 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.
- ☒ 3.33 Proposed interior floor plans, showing detailed dimensions including the location of the wheelchair security system and stanchions.
- ☒ 3.34 Curb weight (empty weight) and gross vehicle weight rating (GVWR) of vehicle.
- ☐ 3.35 Samples or paint charts of available exterior paint colors and vinyl.
- ☒ 3.37 A list of five (5) users names, addresses, emails, and telephone numbers who have been provided with similar equipment by the Vendor.
- ☒ 3.38 No Debt Affidavit
- ☒ 3.39 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.

(Printed Name and Title) Trey Myers - Commercial Vehicle Sales

(Address) 5120 Wards Road Evington, VA 24550

(Phone Number) / (Fax Number) 804-514-9289

(email address) trey@sonnymerryman.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through WV OASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Sonny Merryman Inc.

(Company)

Trey Myers

(Signature of Authorized Representative)

Trey Myers - Commercial Vehicle Sales 01/07/2025

(Printed Name and Title of Authorized Representative) (Date)

804-514-9289/434-821-8203

(Phone Number) (Fax Number)

trey@sonnymerryman.com

(Email Address)

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: Sonny Merryman Inc.Authorized Signature: Tray Myers Date: 01/03/2025State of VirginiaCounty of Campbell, to-wit:Taken, subscribed, and sworn to before me this 3rd day of January, 2025My Commission expires 6/30/2028, 20 **AFFIX SEAL HERE**

NOTARY PUBLIC

Katie Millner

KATIE HOGAN MILLNER
NOTARY PUBLIC
REG. #7698923
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES JUNE 30, 2024

Purchasing Affidavit (Revised 01/19/2018)



DRIVERGE
VEHICLE INNOVATIONS

BUY AMERICA CERTIFICATE

**Driverge hereby certifies
that we will comply with the requirements of
the Surface Transportation Assistance Act of 1982
and the regulations of 49 CFR 661, Part 661.11.**

Signed: _____

Kenneth H. Richards

Title: Business Manager

Date: 1/1/2025

Ideas made to move

Driverge Vehicle Innovations, LLC

2000 Brittain Rd. Suite 200, Akron, OH 44310

844-337-9543 • 330-861-1118 • Fax: 330-861-0281 • www.driverge.com



DRIVERGE
VEHICLE INNOVATIONS

FEDERAL MOTOR VEHICLE SAFETY STANDARDS

DRIVERGE VEHICLE INNOVATIONS hereby certifies that the conversions being proposed (delivered) will meet or exceed all applicable Federal Motor Vehicle Safety Standards (FMVSS).

Signed 

Kenneth H. Richards

Title: Business Manager

Date: 1/01/2025

Ideas made to move

Driverge Vehicle Innovations, LLC

2000 Brittain Rd. Suite 200, Akron, OH 44310

844-337-9543 • 330-861-1118 • Fax: 330-861-0281 • www.driverge.com



DRIVERGE
VEHICLE INNOVATIONS

TRANSIT VEHICLE MANUFACTURER CERTIFICATION

Compliance with 49 CFR Part 26, Section 26.49

DRIVERGE VEHICLE INNOVATIONS, a Transit Vehicle Manufacturer (TVM) hereby certifies that we have complied with the requirements of 49 CFR Part 26, Section 26.49 by submitting a current annual Disadvantaged Business Enterprise goal to the Federal Transit Administration.

Signed: 

Kenneth H. Richards
Title: Business Manager
Date: 1/01/2025

Ideas made to move

Driverge Vehicle Innovations, LLC

2000 Brittain Rd. Suite 200, Akron, OH 44310
844-337-9543 • 330-861-1118 • Fax: 330-861-0281 • www.driverge.com

Driverge Vehicle Innovations, LLC

[Commercial Conversion Warranty](#)[Consumer Conversion Warranty](#)[Warranty Registration](#)

Commercial Conversion Warranty

Driverge strives to build the highest quality commercial wheelchair accessible and vocational use vans in the industry. Should you have any questions regarding the warranty on your Driverge van, please refer to the information listed below, contact your sales representative, or call us at 1-855-337-9543.

Driverge warrants to each commercial owner of a motor vehicle converted by Driverge for commercial use that Driverge's conversion of the vehicle chassis and all parts manufactured by Driverge and added to the vehicle chassis during the conversion process will be free from defects in material and workmanship under normal use and service for a period of the lesser of three (3) years or thirty-six thousand (36,000) miles from the original commercial purchase of the conversion from Driverge or an authorized Driverge dealer. Should a Driverge conversion or Driverge manufactured and installed part be found to be defective within the warranty period, subject to the terms of this warranty Driverge will repair or replace the defect or defective part at Driverge's cost and option.

This warranty does not apply to any of the following: any portion of the vehicle or its systems that was not modified by Driverge or is/was subject to manufacturer warranty; damage resulting from collision; defects resulting from misuse, neglect, improper maintenance, abuse, or repairs not authorized by Driverge; replacement of wear items such as brake pads and rotors, wiper blades, lightbulbs, etc.; defects caused by modification of the vehicle or the conversion by anyone other than Driverge; or attempted repair or replacement of any warranted item or condition without prior written approval from Driverge. Driverge's sole obligation under this warranty is to repair or replace the covered item or defect at Driverge's option and does not extend to incidental or consequential claims or damages of any kind, including but not limited to towing, rental vehicle, lost wages, depreciation, or any other loss, expense, or inconvenience. This warranty is Driverge's exclusive warranty with respect to the conversion and any parts manufactured and installed by Driverge and is in lieu of any other warranty, express or implied, including but not limited to warranty of merchantability, fitness for a particular purpose, or other warranty of quality, all of which Driverge expressly disclaims.

IF YOU BELIEVE YOU HAVE A WARRANTY CLAIM, PLEASE RETURN YOUR VEHICLE TO AN AUTHORIZED DRIVERGE DEALER OR CALL DRIVERGE AT 1-855-337-9543 BEFORE ATTEMPTING REPAIR.

Consumer Conversion Warranty

Driverge strives to build the highest quality consumer wheelchair accessible vehicle conversions in the industry. Should you have any questions regarding the warranty on your Driverge van, please refer to the information listed below, contact your sales representative, or call us at 1-855-337-9543.

Driverge warrants to each non-commercial owner of a motor vehicle converted by Driverge for consumer use that Driverge's conversion of the vehicle chassis and all parts manufactured by Driverge and added to the vehicle chassis during the conversion process will be free from defects in material and workmanship under normal use and service for a period of the lesser of four (4) years or fifty thousand (50,000) miles from the original consumer purchase of the conversion from Driverge or an authorized Driverge dealer. Should a Driverge conversion or Driverge manufactured and installed part be found to be defective within the warranty period, subject to the terms of this warranty Driverge will repair or replace the defect or defective part at Driverge's cost and option.

This warranty does not apply to any of the following: any portion of the vehicle or its systems that was not modified by Driverge or is/was subject to manufacturer warranty; damage resulting from collision; defects resulting from misuse, neglect, improper maintenance, abuse, or repairs not authorized by Driverge; replacement of wear items such as brake pads and rotors, wiper blades, lightbulbs, etc.; defects caused by modification of the vehicle or the conversion by anyone other than Driverge; conversions originally sold to a commercial enterprise for fleet or rental use; warranty claims made or arising while the vehicle is owned or operated by a commercial enterprise or for financial gain; or attempted repair or replacement of any warranted item or condition without prior written approval from Driverge. Driverge's sole obligation under this warranty is to repair or replace the covered item or defect at Driverge's option and does not extend to incidental or consequential claims or damages of any kind, including but not limited to towing, rental vehicle, lost wages, depreciation, or any other loss, expense, or inconvenience. This warranty is Driverge's exclusive warranty with respect to the conversion and any parts manufactured and installed by Driverge and is in lieu of any other warranty, express or implied, including but not limited to warranty of merchantability, fitness for a particular purpose, or other warranty of quality, all of which Driverge expressly disclaims.

IF YOU BELIEVE YOU HAVE A WARRANTY CLAIM, PLEASE RETURN YOUR VEHICLE TO AN AUTHORIZED DRIVERGE DEALER OR CALL DRIVERGE AT 1-855-337-9543 BEFORE ATTEMPTING REPAIR.

[Customer Support](#)[Driverge Parts](#)[Bid Department](#)[Conversion Warranty & Registration](#)[Commercial Warranty Claim Form](#)[Master Dealer Program](#)[Professional Training Services](#)[Training Videos](#)[Sales Literature & Specifications](#)[Contact us](#)

Vehicles

[ADA Accessible Minivans](#)
[Minivans](#)
[Full-Size Mobility Vans](#)
[People Transporters](#)
[Work and Crew Vans](#)
[Custom Conversions](#)

Products

[SmartFloor](#)
[Bus Doors](#)
[Flex Flat Ramp](#)
[Wheelchair Lifts](#)
[Wheelchair Securement](#)
[Ford Transit Smart Shuttle](#)
[Mercedes-Benz Metris Getaway &](#)
[Camper Vans](#)
[Driver Guard](#)

Parts, Service & Training

[Customer Support](#)
[Driverge Parts](#)
[Bid Department](#)
[Conversion Warranty & Registration](#)
[Commercial Warranty Claim Form](#)
[Master Dealer Program](#)
[Professional Training Services](#)
[Training Videos](#)
[Sales Literature & Specifications](#)

General Information

[Terms and Conditions](#)
[Statement For Disadvantaged Business Enterprise \(DBE\)](#)
[General Disclaimer / Privacy Policy](#)
[Cookie Preferences](#)
[Subject Rights Request](#)
[Contact](#)
[Careers](#)
[Sitemap](#)



West Virginia - Ford Service Facilities							
<u>Service Facilities</u>	<u>Address</u>	<u>City & ST</u>	<u>County</u>	<u>Phone</u>	<u>Service Contact</u>	<u>Body Work</u>	<u>Comments</u>
Northern Panhandle							
Ohio Valley Ford Mercury	Route 250 Jefferson Ave	Moundsville, WV	Marshall	(304) 845-4244	John Dudley	Yes	has a lift works on other busses
Rich Galardi Ford	1625 Commerce	Wellsburg, WV	Brooke	(304) 737-0211	Dave White	No	has lifts seems confident
Eastern Panhandle							
Kent Parsons Ford Lincoln Mercury	Route 45 E Moler Ave	Martinsburg, WV	Berkeley	(304) 263-3344	Kelly Hess	Yes	does work on floor
Markwood Ford Mercury	RR 3 Box 3280	Keyser, WV	Mineral	(304) 788-7900	Mike Snyder	No	has lifts and refers to a local body shop
Roth Ford	HC 30 Box 40	Petersburg, WV	Grant	(800) 334-7684	Rick Oates	No	does work on ground only small work
Central West Virginia							
Astorg Ford Lincoln Mercury	2028 7th St	Parkersburg, WV	Wood	(304) 485-8585	Rob Ayers	No	has lifts body shop can't fit a bus
Campus Ford Lincoln Mercury	Route 7	Morgantown, WV	Monongalia	(304) 296-4477	Michelle Smith	No	has a lift
Chenoweth Ford Lincoln Mercury	Route 50 E	Clarksburg, WV	Harrison	(304) 623-6501	Mike Allawat	Yes	has a lift
Elkins Fordland	1211 Harrison Ave	Elkins, WV	Randolph	(304) 636-2222	Kent Winn	No	limited does work on ground
I77 Ford Mercury	HC 80 Box 71B	Ripley, WV	Jackson	(304) 372-3673	Chris Smith	No	has lifts works on other busses
J & J Ford	Route 7 W	Terra Alta, WV	Preston	(304) 789-2431	Terry Shreve	Yes	has lifts
Michael Motor	1061 State St	Gassaway, WV	Braxton	(304) 364-5935	Matt Loyde	Yes	has a lift
Midway Ford	201 Orchard Park Rd	Hurricane, WV	Putnam	(304) 562-3315	Mike Withrow	No	does work on ground small shop limited
Scott Ford Mercury	Route 7 W	Kingwood, WV	Preston	(304) 329-3673	Willy Alberico	No	has lifts works on other busses
Toothman Ford	Route 50 W	Grafton, WV	Taylor	(304) 265-3000	Jackie Bell	No	has lifts can recommend body shop
Wilson Ford Lincoln Mercury	1950 Fairmont Ave	Fairmont, WV	Marion	(304) 363-0500	Rico Insani	Yes	does work on ground works on other busses
Jack Garrett Ford	Route 1 Ripley Rd	Spencer, WV	Roane	(304) 927-2492	Mike Carpenter	Yes	has lift works on other busses
Tumpike Ford of Huntington	2480 5th Ave	Huntington, WV	Cabell	(304) 529-2260	Rusty Stover	Yes	has a lift and contact Chris Carel for body
Southern West Virginia							
Andy Clark Ford Lincoln Mercury	498 Courthouse Rd	Princeton, WV	Mercer	(877) 425-2128	Sheryl Belcher	Yes	has lifts sublets body work next door
Colonial Ford Lincoln Mercury	428 N Jefferson St	Lewisburg, WV	Greenbrier	(304) 645-2244	Kenny Miller	Yes	has lift and body work is separate company
Ramey Ford Lincoln Mercury	615 N Eisenhower Dr	Beckley, WV	Raleigh	(304) 256-7421	Scotty Bowman	No	does work on floor handles other busses

West Virginia - Braun Service Facilities

<u>Service Facilities</u>	<u>Address</u>	<u>City & ST</u>	<u>County</u>	<u>Phone</u>	<u>Located in District</u>
Van Lifts Unlimited	RR 12 Box 283	Hurricane, WV	Putnam	(304) 727-9478	Central West Virginia
Marietta Mobility	211 S. 8th Street	Marietta, OH	Washington	(800) 690-4950	*
Mobility Plus VA	323 S. College Ave.	Salem, VA	Independent	(540) 389-3400	*
Speclin Emergency Vehicle	100 Industrial St	Scottdale, PA	Westmoreland	(724) 887-8093	*
Keystone Coach Works, Inc.	4786 Library Road	Bethel Park, PA	Allegheny	(412) 833-1900	*
Total Mobility Services	4785 Penn Ave	Boswell, PA	Somerset	(814) 629-9934	*
Mountain International Trucks	408 Goff Mountain Rd	Cross Lanes, WV	Kanawha	(304) 776-5600	Central West Virginia
Matheny Motors	Third & Ann Streets	Parkersburg, WV	Wood	(304) 485-4423	Central West Virginia
Ironside Mobility Systems	687 Lofstrand Lane Unit P	Rockville, MD	Montgomery	(301) 279-5855	*
M.I.T.S. of Virginia	2075 West Main St.	Waynesboro, VA	Independent	(800) 420-6470	*
Mobility Works	1090 Mossie Blvd	Wall, PA	Allegheny	(412) 824-8091	*

West Virginia - Air Conditioning Service Centers

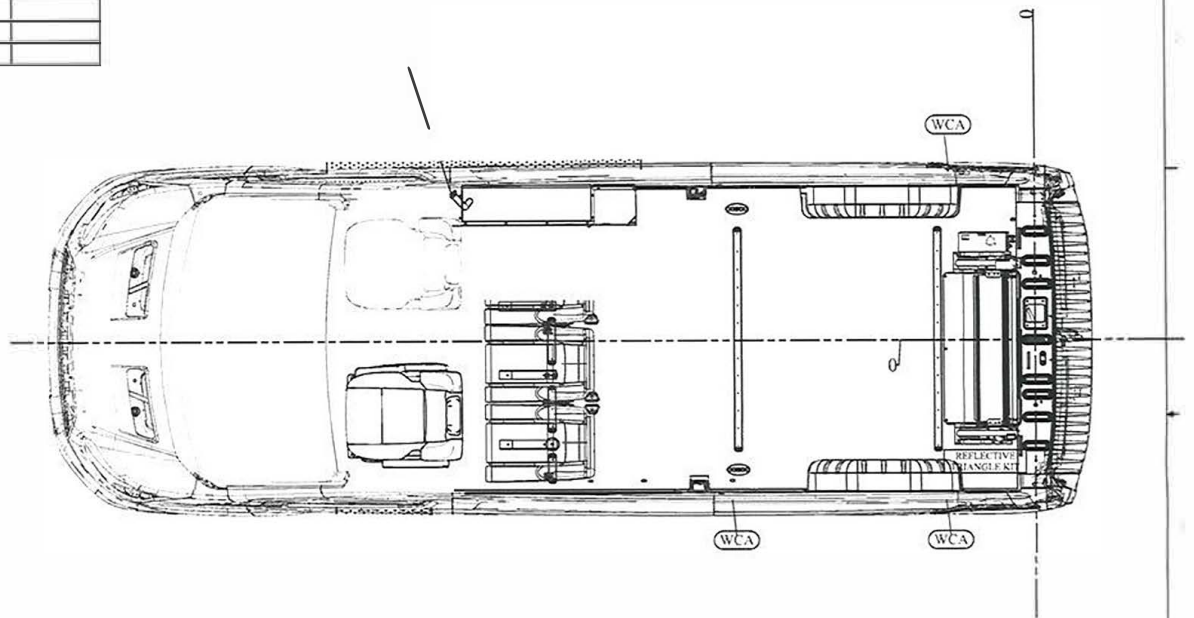
<u>Service Facilities</u>	<u>Address</u>	<u>City & ST</u>	<u>ZIP</u>	<u>County</u>	<u>Phone</u>	<u>District</u>	<u>Contact</u>
Mountain International Trucks	408 Groff Mountain Rd.	Cross Lanes, WV	25313	Kanawha	(304) 776-5600	Central West Virginia	Grant Morris
Mountain International Trucks	60 West White	Lewisburg, WV	24901	Greenbrier	(304) 536-2000	Southern West Virginia	Robert Morris
Sellers Truck 'N' Auto	1129 E. Pike St.	Clarksburg, WV	26301	Harrison	(304) 622-5876	Central West Virginia	*
Mountaineer Thermo-King	2252 Roxalana Rd	Dunbar, WV	25064	Kanawha	(304) 744-7344	Central West Virginia	*
Fleet Service Co.	3007 Chapline St	Wheeling, WV	26003	Ohio	(304) 232-6140	Northern Panhandle	*
West Virginia Truck & Trailer	1 Jain Dr.	Cross Lanes, WV	25313	Kanawha	(304) 755-0113	Central West Virginia	*
Hemlock Fleet Service	609 Division St	Parkersburg, WV	26101	Wood	(304) 422-3166	Central West Virginia	*
Tony's Auto Service	1112 First Street	Alexandria, VA	22314	Independent	(703) 683-5050	*	Tony Damiani
Truck Thermo King Inc	3650 S. Main Street	Harrisonburg, VA	22801	Independent	(540) 434-7004	*	Ken Showalter

References

- 1. Customer:** Metropolitan Washington Council of Governments (MWCOG)
Contact: Dan Sheehan (Transportation Program Operations Manager)
Phone: (202)-962-3287
Email: dsheehan@mwkog.org
Address: 777 North Capitol Street NE, Suite 300, Washington, DC. 20002
Goods Provided: Body on Chassis & Minivans
Dates of Service: 2016 - Present
Estimated Sales Volume: \$1,300,000.00
- 2. Customer:** Virginia Department of Rail and Public Transportation (DRPT)
Contact: Avery Daugherty (Statewide Program Manager)
Phone: (804)-786-6796
Email: avery.daugherty@drpt.virginia.gov
Address: 600 E Main Street, Richmond, VA 23219
Goods Provided: Paratransit Vehicles
Dates of Service: 1992 - Present
Estimated Sales Volume: \$100,000,000.00
- 3. Customer:** U.S. General Services Administration (GSA) / Federal Acquisition Service
Contact: Craig Yokum (Contracting Officer)
Phone: (703)-605-9291
Email: craig.yokum@gsa.gov
Address: 1800 F Street, NW, 3rd Floor, Hub 3200, Washington, DC 20405
Goods Provided: Light/Medium Duty Shuttle Buses
Dates of Service: 2014 - Present
Estimated Sales Volume: \$8,000,000.00
- 4. Customer:** Maryland Department of Transportation
Contact: Jason Keppel
Phone: 410-767-7330
Email: jkeppel@mta.maryland.gov
Address: 7201 Corporate Center Drive, Hanover, MD 21076
Goods Provided: Paratransit Vehicles
- 5. Customer:** Anne Arundel County
Contact: Sam Snead
Phone: 410-222-7440
Address: 26644 Riva Road – 3rd Floor, Annapolis, MD 21401
Goods Provided: Paratransit Vehicles

Class A

Rev Level	REASON	DATE
A	CORRECTED NO DRILL TILE LABEL	6/8/20



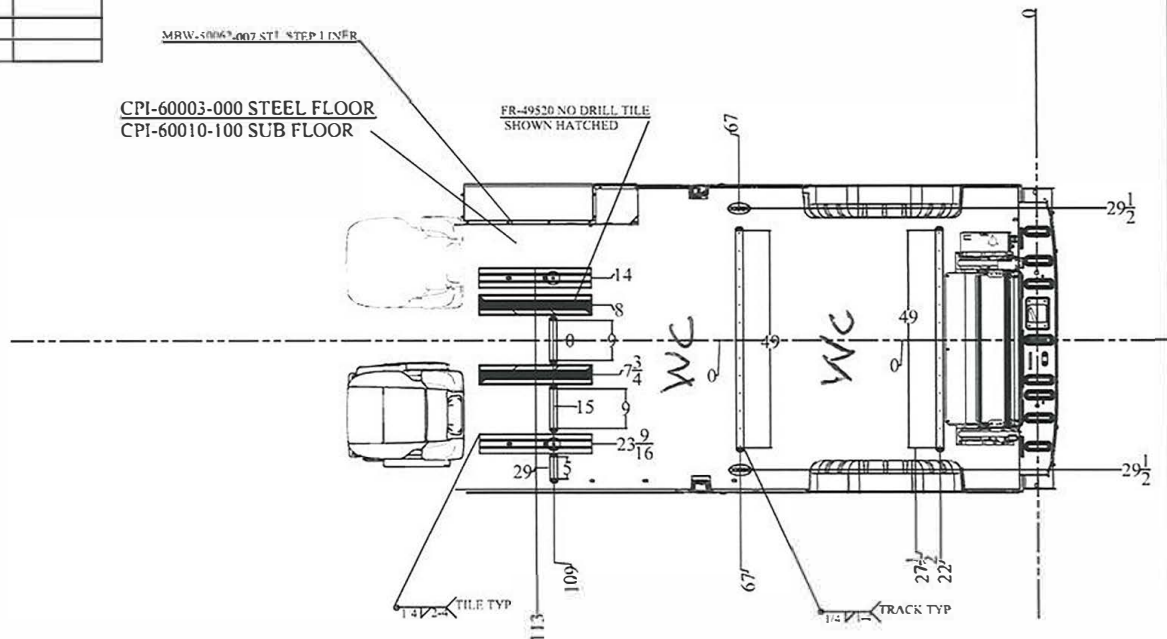
Length - 235"
 Wheelbase - 148"
 Height (exterior) - 99"
 Height (interior) - 67"
 Width (excluding mirrors) - 81"

PROPRIETARY AND CONFIDENTIAL
 THIS DOCUMENT IS THE PROPERTY OF DRIVEGE
 IT IS LOANED TO YOU BY DRIVEGE
 IT IS NOT TO BE REPRODUCED OR
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 THE WRITTEN PERMISSION OF DRIVEGE
 DRIVEGE VEHICLE INNOVATIONS

SLIPFLOOR	DRIVEGE VEHICLE INNOVATIONS	
	148" WB WAGON REAR LIFT	
3L4WRLN5-004	N	

Class A

Rev Level	REASON	DATE
A	CORRECTED NO DRILL TILE LABEL	6/8/20



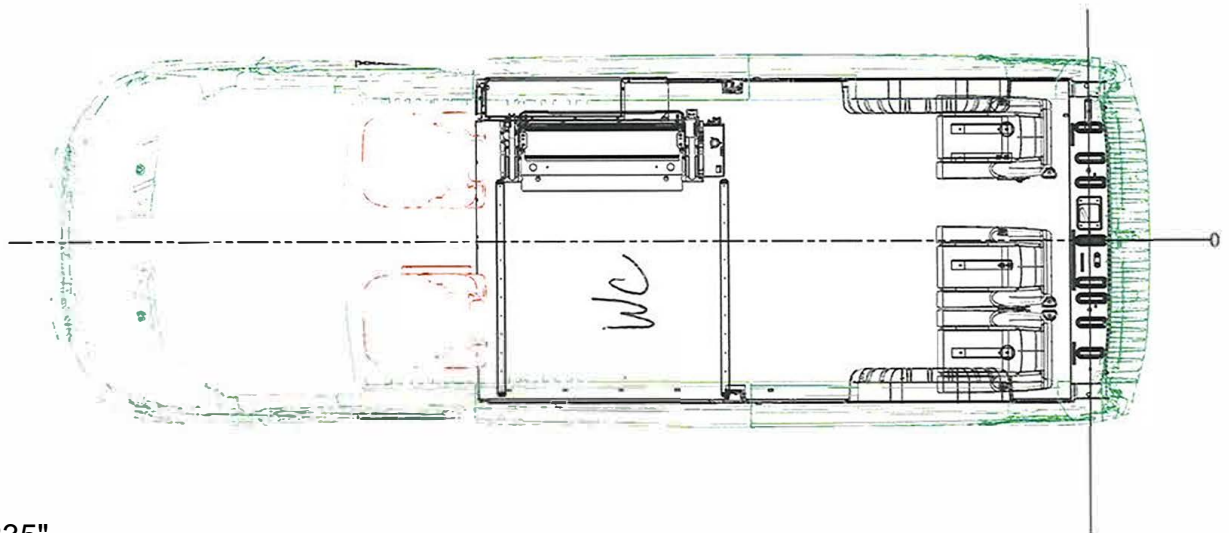
Length - 235"
 Wheelbase - 148"
 Height (exterior) - 99"
 Height (interior) - 67"
 Width (excluding mirrors) - 81"

PROPRIETARY AND CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF DRIVEGE AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DRIVEGE.	SUBFLOOR	31.4WR1.XS-001	N
	148" WB WAGON REAR LIFT	31.4WR1.XS-001	N
	31.4WR1.XS-001	31.4WR1.XS-001	N
	31.4WR1.XS-001	31.4WR1.XS-001	N










Class B

REVISION TABLE		
REV	DESCRIPTION	DATE



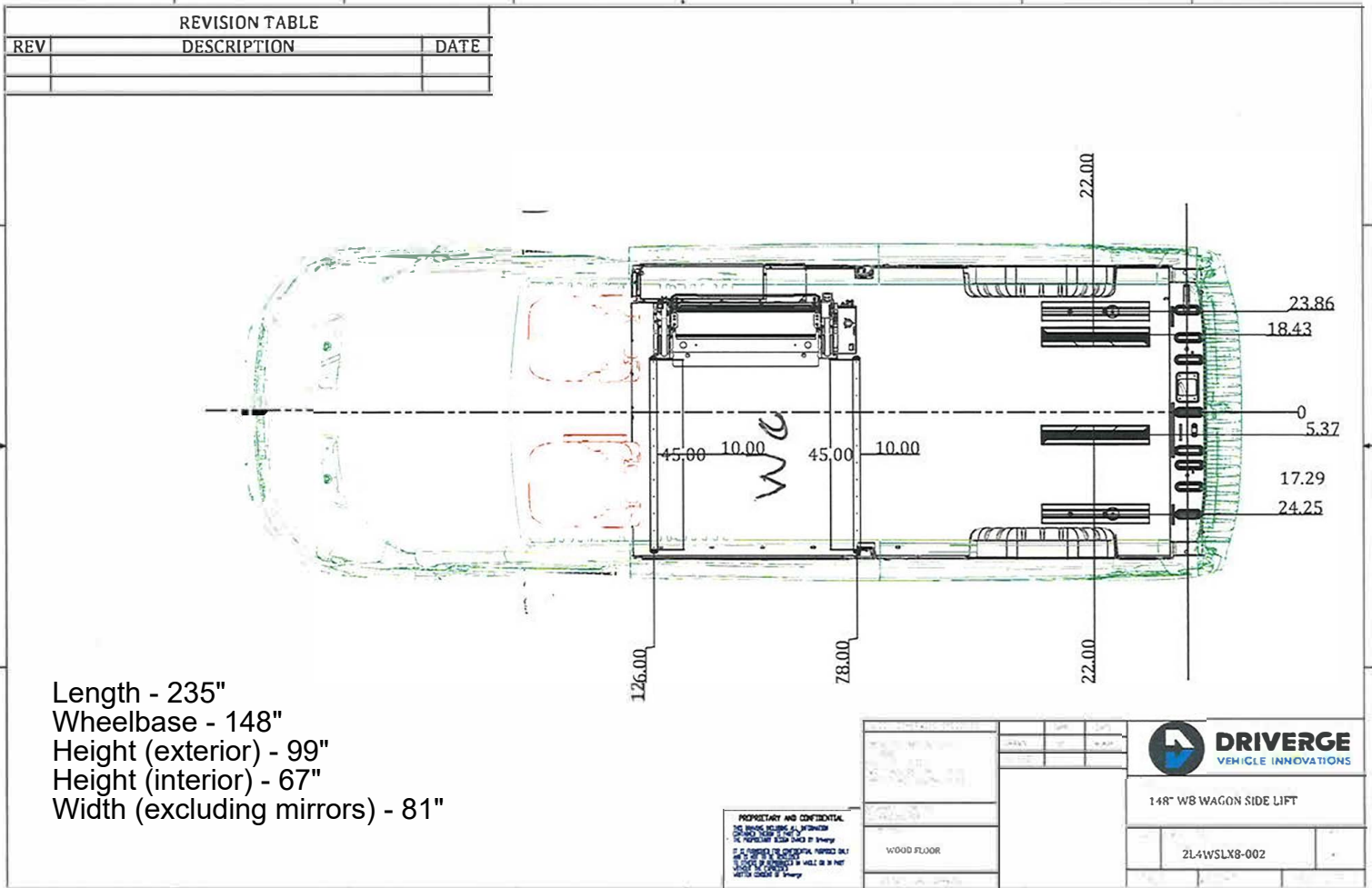
Length - 235"
 Wheelbase - 148"
 Height (exterior) - 99"
 Height (interior) - 67"
 Width (excluding mirrors) - 81"

POWERTRAIN AND CHASSIS
 2014-2015
 2.5L I4 181 HP 181 Torque
 2.5L I4 181 HP 181 Torque
 2.5L I4 181 HP 181 Torque
 2.5L I4 181 HP 181 Torque

				DRIVERGE VEHICLE INNOVATIONS	
				148" WB WAGON SIDE LIFT	
WOOD FLOOR				2L4WSLX8-002	
					

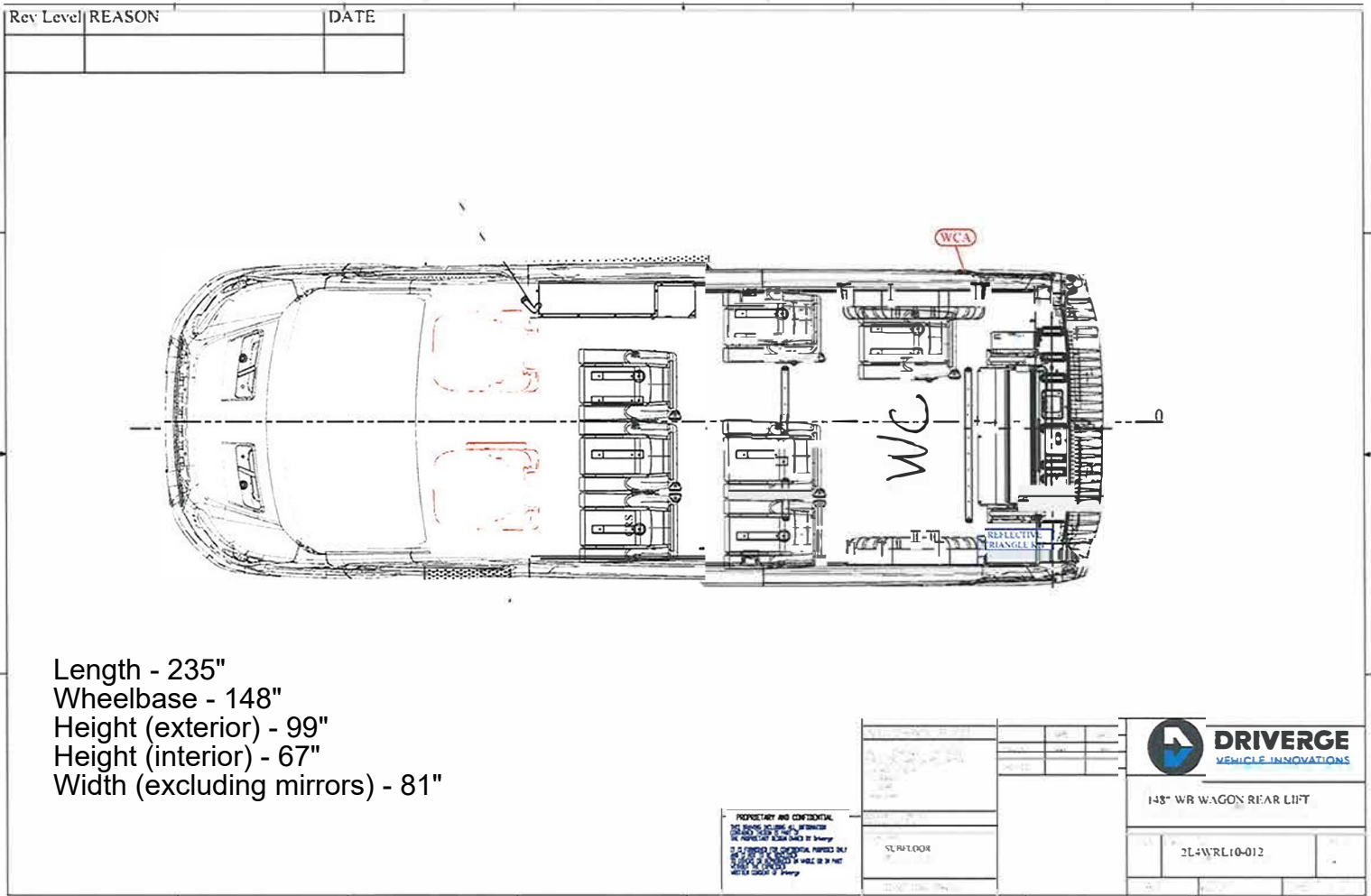
B

Class B



Class C

Class F - AWD



11

Rev	Level	REASON	DATE

Length - 235"

Wheelbase - 148"

Height (exterior) - 99"

Height (interior) - 67"

Width (excluding mirrors) - 81"

FR-47226 STD TILE

CPI-60003-000 STEEL FLOOR
CPI-60010-100 SUB FLOOR

FR-49520 NO DRILL TILE
SHOWN HATCHED

TILE TYP

DRIVERGE
VEHICLE INNOVATIONS

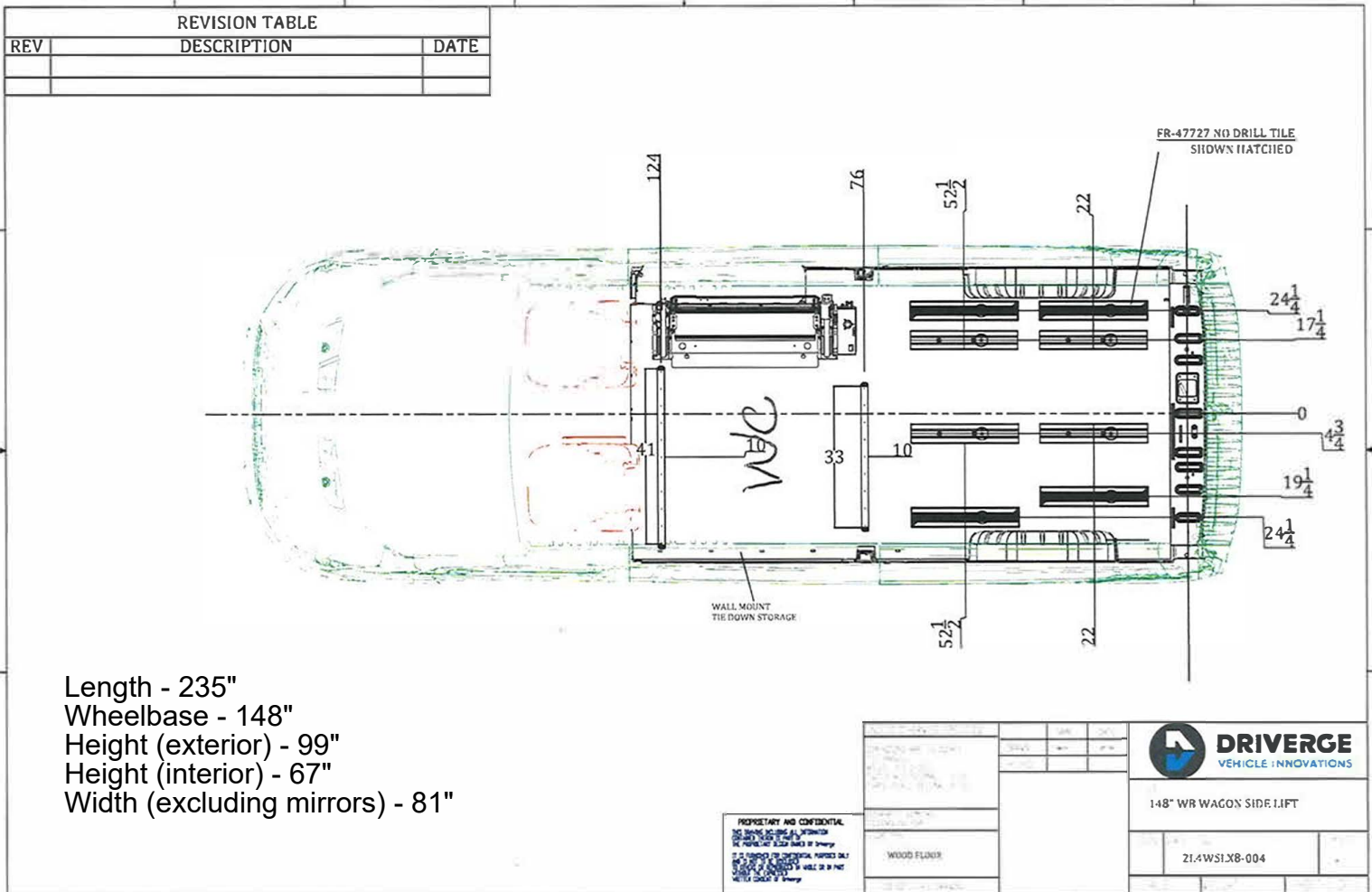
148" WB WAGON REAR LIFT

2L-WRL10-012

Length - 235"
Wheelbase - 148"
Height (exterior) - 99"
Height (interior) - 67"
Width (excluding mirrors) - 81"

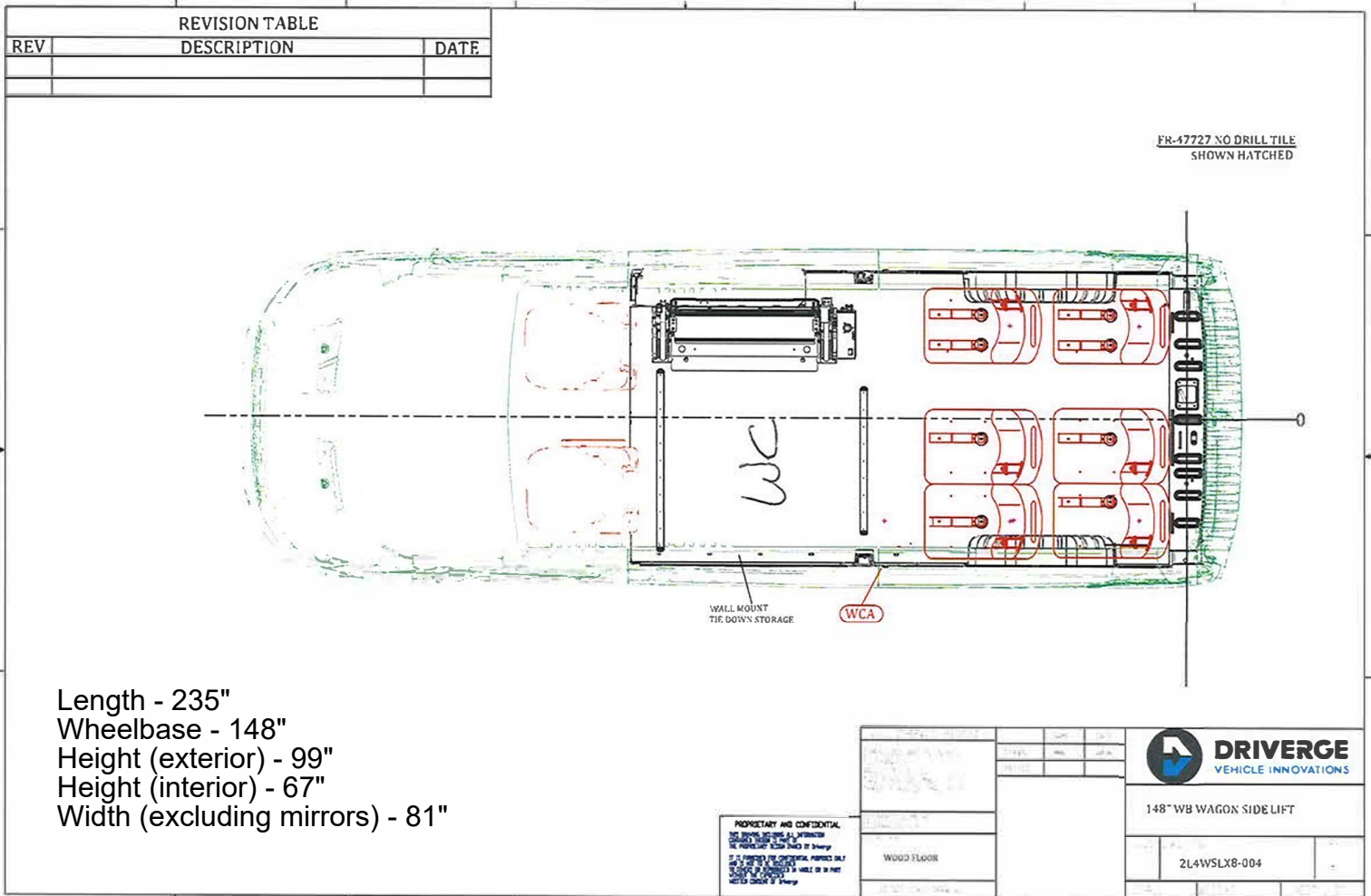
Class D

Class G - AWD

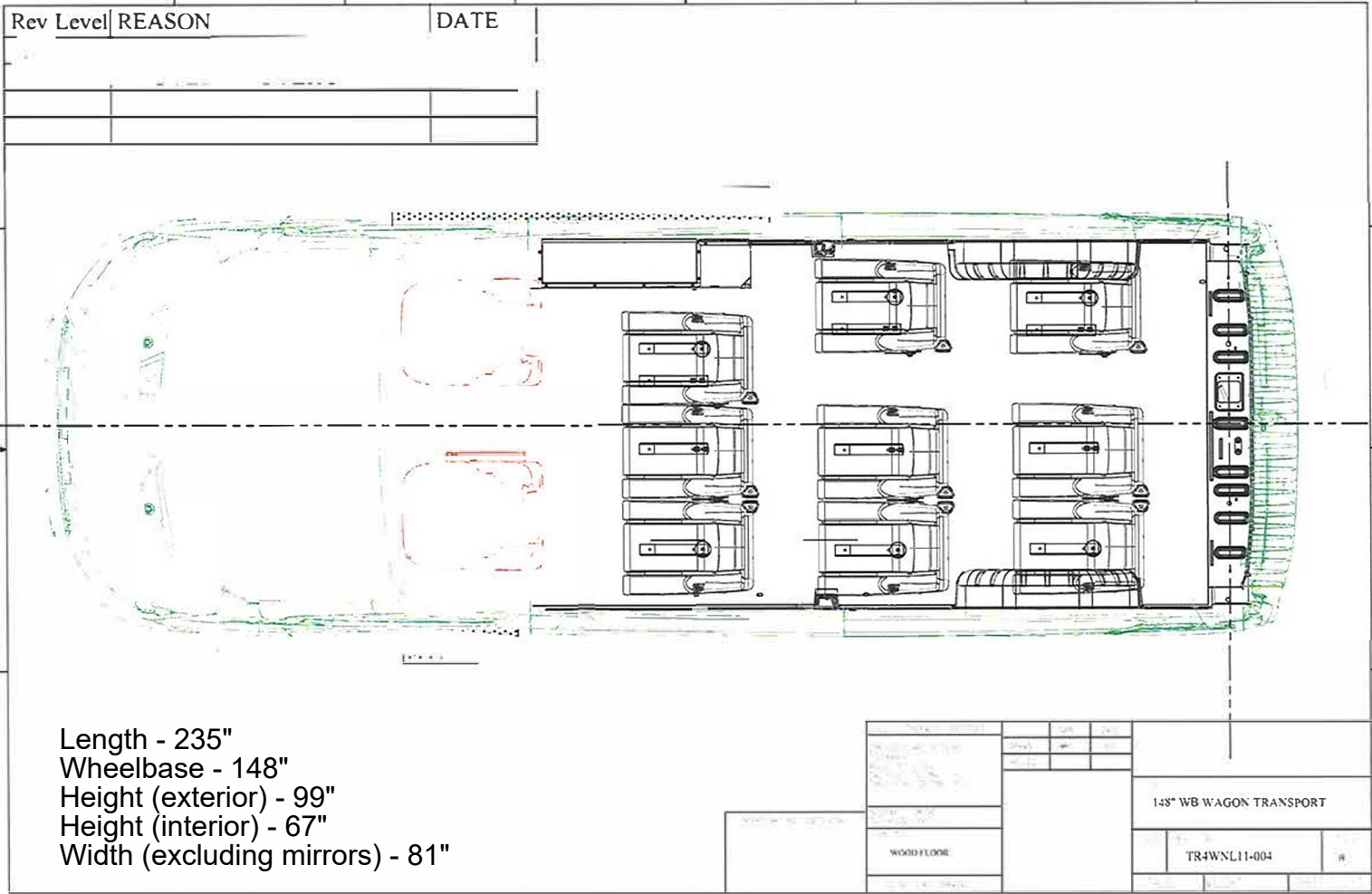


Class D

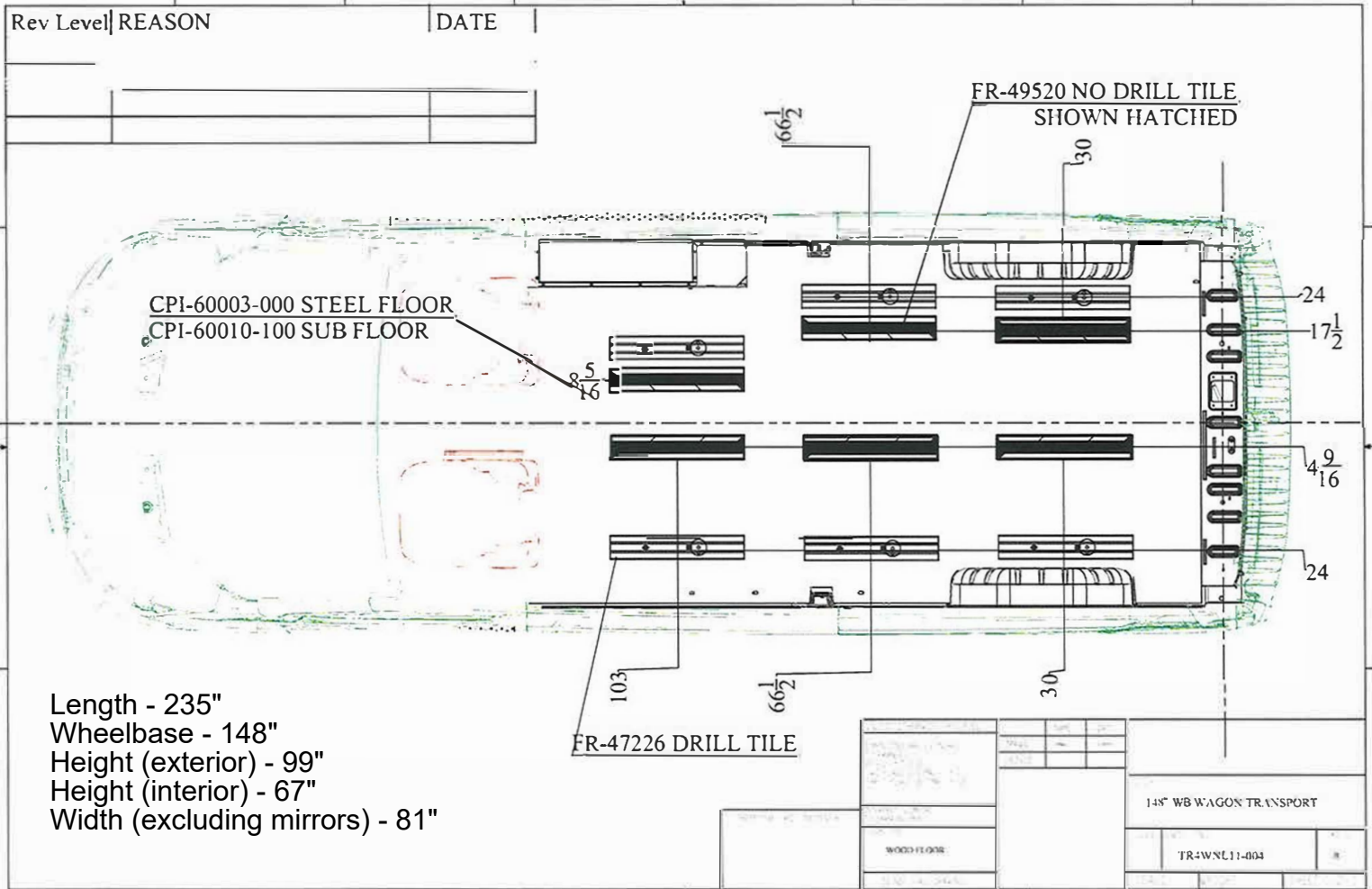
Class G - AWD



Class E



Class E



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Completed Van, Class A			
	4130	5730	9250

GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Original Wheelbase:	148.0	inches
Cab to Axle/Trunion:	40.6	inches
Number of Original Rear Axle(s):	1	

	Front Weight (lbs.)	Rear Weight (lbs.)	Total Weight (lbs.)
Base Chassis Weights	3,159	3,604	6,763

Note: The accuracy of these calculations depends on the accuracy of the input data.

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

<u>Added Components</u>	Horizontal C.G.	Vertical C.G. (inches)	Weight (lbs.)
<u>Component</u>	(inches)		
CHASSIS	78.9	34.5	6,763
Row 1 Seat Passenger Load	41.0	44.5	400
Row 2 Seat Passenger Load	77.0	44.5	0
Row 3 Seat Passenger Load	109.4	44.5	200
Row 4 Seat Passenger Load	143.9	49.9	0
Misc. Cargo Load	114.0	30.0	200
DESIRED PAYLOAD			

Horizontal CG: **78.6 inches**
Vertical CG: **35.2 inches**

Front Weight (lbs):	3,546
Rear Weight (lbs):	4,017

% Weight on Front:	46.9%
% Weight on All Rear:	53.1%

<u>Original Rear Axle(s) Wt. (lbs)</u>	<u>Axle 1 Wt. (lbs)</u>	<u>Axle 2 Wt. (lbs)</u>	<u>Axle 3 Wt. (lbs)</u>	<u>Axle 4 Wt. (lbs)</u>	<u>Axle 5 Wt. (lbs)</u>
4,017	0	0	0	0	0

Note: The accuracy of these calculations depends on the accuracy of the input data.

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Completed Van, Class B			
	4130	5730	9250

Chassis Components Before Modification

	Front Weight (lbs.)	Rear Weight (lbs.)	Total Weight (lbs.)
Base Chassis Weights	3,159	3,604	6,763

Note: The accuracy of these calculations depends on the accuracy of the input data.

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

Component	(inches)	Vertical C.G. (inches)	Weight (lbs.)
CHASSIS	78.9	34.5	6,763
Row 1 Seat Passenger Load	41.0	44.5	200
Row 2 Seat Passenger Load	77.0	44.5	200
Row 3 Seat Passenger Load	109.4	44.5	600
Row 4 Seat Passenger Load	143.9	49.9	0
Misc. Cargo Load	114.0	30.0	200
Length - 235"			
Wheelbase - 148"			
Height (exterior) - 99"			
Height (interior) - 67"			
Width (excluding mirrors) - 81"			
DESIRED PAYLOAD			

Horizontal CG: **81.0 inches**
Vertical CG: **35.6 inches**

% of Total Vehicle Weight

Front Weight (lbs):	3,602	% Weight on Front:	45.2%
Total Rear Weight (lbs):	4,361	% Weight on All Rear:	54.8%

<u>Original Rear Axle(s) Wt. (lbs)</u>	<u>Axle 1 Wt. (lbs)</u>	<u>Axle 2 Wt. (lbs)</u>	<u>Axle 3 Wt. (lbs)</u>	<u>Axle 4 Wt. (lbs)</u>	<u>Axle 5 Wt. (lbs)</u>
4,361	0	0	0	0	0

Note: The accuracy of these calculations depends on the accuracy of the input data.

**CENTER OF GRAVITY AND WEIGHT DISTRIBUTION
WHEELBASE CHANGES OR AUXILIARY AXLE INSTALLATION**

1/28/2025

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VEHICLE: Ford Transit	Front GAWR (lbs.)	Rear GAWR (lbs.)	GVWR (lbs.)
Completed Van, Class C			
	4130	5730	9250

GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Chassis Components Before Modification

Original Wheelbase:	148.0	inches
Cab to Axle/Trunion:	40.6	inches
Number of Original Rear Axle(s):	1	

	Front Weight (lbs.)	Rear Weight (lbs.)	Total Weight (lbs.)
Base Chassis Weights	3,159	3,604	6,763

Note: The accuracy of these calculations depends on the accuracy of the input data.

New Wheelbase and/or Additional Axle(s)

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Additional Axles

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

Added Components

Component	Horizontal C.G. (inches)	Vertical C.G. (inches)	Weight (lbs.)
CHASSIS	78.9	34.5	6,763
Row 1 Seat Passenger Load	41.0	44.5	600
Row 2 Seat Passenger Load	77.0	44.5	600
Row 3 Seat Passenger Load	109.4	44.5	200
Row 4 Seat Passenger Load	143.9	49.9	0
Misc. Cargo Load	114.0	30.0	200
DESIRED PAYLOAD			

Total Weight: **8,363**

Horizontal CG: **77.6 inches**
Vertical CG: **36.1 inches**

Rear Axles Proportioned for Capacity

% of Total Vehicle Weight

Front Weight (lbs):	3,979	% Weight on Front:	47.6%
Total Rear Weight (lbs):	4,384	% Weight on All Rear:	52.4%

<u>Original Rear Axle(s) Wt. (lbs)</u>	<u>Axle 1 Wt. (lbs)</u>	<u>Axle 2 Wt. (lbs)</u>	<u>Axle 3 Wt. (lbs)</u>	<u>Axle 4 Wt. (lbs)</u>	<u>Axle 5 Wt. (lbs)</u>
4,384	0	0	0	0	0

Note: The accuracy of these calculations depends on the accuracy of the input data.

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GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Original Wheelbase:	148.0	inches
Cab to Axle/Trunion:	40.6	inches
Number of Original Rear Axle(s):	1	

Note: The accuracy of these calculations depends on the accuracy of the input data.

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

[illegible]

Horizontal CG: **80.9 inches**
Vertical CG: **36.1 inches**

Total Rear Weight (lbs):	4,569	% Weight on All Rear:	54.6%
--------------------------	-------	-----------------------	-------

Note: The accuracy of these calculations depends on the accuracy of the input data.

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GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Note: The accuracy of these calculations depends on the accuracy of the input data.

Note: The accuracy of these calculations depends on the accuracy of the input data.

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Completed Van, Class F			
	4130	5730	9250

GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Original Wheelbase:	148.0	inches
Cab to Axle/Trunion:	40.6	inches
Number of Original Rear Axle(s):	1	

Note: The accuracy of these calculations depends on the accuracy of the input data.

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

<u>Component</u>	(inches)	Vertical C.G. (inches)	Weight (lbs.)
CHASSIS	78.9	34.5	6,763
Row 1 Seat Passenger Load	41.0	44.5	600
Row 2 Seat Passenger Load	77.0	44.5	600
Row 3 Seat Passenger Load	109.4	44.5	200
Row 4 Seat Passenger Load	143.9	49.9	0
Misc. Cargo Load	114.0	30.0	200
DESIRED PAYLOAD			

Horizontal CG: **77.6 inches**
Vertical CG: **36.1 inches**

Total Rear Weight (lbs):	4,384	% Weight on All Rear:	52.4%
--------------------------	-------	-----------------------	-------

<u>Original Rear Axle(s) Wt. (lbs)</u>	<u>Axle 1 Wt. (lbs)</u>	<u>Axle 2 Wt. (lbs)</u>	<u>Axle 3 Wt. (lbs)</u>	<u>Axle 4 Wt. (lbs)</u>	<u>Axle 5 Wt. (lbs)</u>
4.384	0	0	0	0	0

Note: The accuracy of these calculations depends on the accuracy of the input data.

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GVWR should not be increased unless a FMVSS 121 analysis is performed. See instruction manual for additional information.

Original Wheelbase:	148.0	inches
Cab to Axle/Trunion:	40.6	inches
Number of Original Rear Axle(s):	1	

Note: The accuracy of these calculations depends on the accuracy of the input data.

	New Wheelbase, or enter original if not altering (inches)	Weight of Original Rear/Additional Axle(s) (lbs.)	Desired Axle Load for weight Proportioning (lbs)	Gross Axle Weight Rating (lbs.)
Data for Original Rear Axle(s):	148.0	2,500	5,730	5,730

Axle Number 1:			
Axle Number 2:			
Axle Number 3:			
Axle Number 4:			
Axle Number 5:			

Total Weight:	8,363
---------------	-------

% Weight on All Rear: 54.6%

Note: The accuracy of these calculations depends on the accuracy of the input data.



January 23, 2025

To whom it may concern,

Currently, Ford does not have a PDF copy of the owners manual for the 2025 Ford T-350 Transit Van. I have copied a link below that will enable you to access the owners manual. Please click the link below.

http://www.fordservicecontent.com/Ford_Content/vdirsnet/OwnerManual/Home/Index?Variantid=10481&languageCode=EN&countryCode=USA&VIN=&userMarket=USA&div=f&buildtype=web

Thank you again for this opportunity. Please call if you have questions.

Sincerely,

Trey Myers
Commercial Vehicle Sales
Sonny Merryman Inc.
804-514-9289
trey@sonnymerryman.com



*To please our customers.
To serve our communities.
To drive people forward.*

2025 Model Year **Ford Warranty Guide**

(Except F-600/F-650/F-750/F-53/F-59
Over 19,500 lbs. GVWR and Electric Vehicles)



owner.ford.com



ford.ca

December 2024
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This booklet explains the New Vehicle Limited Warranty coverages that apply to your Ford vehicle. Your satisfaction is our goal. If you are not satisfied with Ford's performance under the warranty, Ford participates in an informal warranty dispute settlement mechanism through the Better Business Bureau, which you can contact as follows: BBB AUTOLINE
1676 International Drive, Suite 550, McLean, VA 22102.

You may use the BBB Autoline without charge. An application is available from BBB (800-955-5100) or Ford (800-392-3673).

You must resort to the BBB Autoline mechanism before exercising rights or seeking remedies created by the Magnuson-Moss Warranty Act. If you choose to seek redress by pursuing rights and remedies not created by the Magnuson-Moss Warranty Act, resort to the BBB Autoline Mechanism is not required by any provision of the Magnuson-Moss Warranty Act. Your state may require that you first resort to the BBB Autoline before exercising rights or seeking remedies created by your state's laws.

Further information on the BBB Autoline can be found on page 65.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED, TO THE EXTENT ALLOWED BY LAW, TO THE DURATION OF THE NEW VEHICLE LIMITED WARRANTY BUMPER TO BUMPER COVERAGE. Further information on implied warranties can be found on page 6.

ANY PUNITIVE, EXEMPLARY, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES CAUSED BY DELAY, OR LOSS OF USE MAY NOT BE RECOVERED AND ARE DISCLAIMED AND EXCLUDED UNLESS APPLICABLE LAW PROHIBITS THEIR DISCLAIMER OR EXCLUSION. Further information on the disclaimers and exclusions can be found on page 6.



Your satisfaction is our #1 goal. If you have any questions or concerns, or are unsatisfied with the service you are receiving, follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling/servicing dealership.
2. If your inquiry or concern remains unresolved, contact the Sales Manager, Service Manager or Customer Relations Manager.
3. If you require assistance or clarification on Ford Motor Company policies or procedures, please contact the Ford Customer Relationship Center.

In the United States	In Canada
<p>Ford Motor Company Customer Relationship Center P.O. Box 6248 Dearborn, MI 48121 1-800-392-3673 (FORD) For the hearing- or speech-impaired: Please contact the Telecommunication Relay Service by dialing 711 www.owner.ford.com</p>	<p>Customer Relationship Centre Ford Motor Company of Canada, Limited P.O. Box 2000 Oakville, Ontario L6J 5E4 1-800-565-3673 (FORD) For the hearing- or speech-impaired: Please contact the Telecommunication Relay Service by dialing 711 M-F 8:30 AM - 8:00 PM (ET) www.ford.ca</p>
In Asia-Pacific Region, Sub-Saharan Africa, U.S. Virgin Islands, Central America, the Caribbean, and Israel:	In Puerto Rico
<p>Ford Motor Company Ford Export Operations Attention: Customer Relations 1555 Fairlane Drive Fairlane Business Park #3 Allen Park, MI 48101 Telephone: (313) 594-4857 For customers in Guam, the Commonwealth of the Northern Mariana Islands (CNMI), America Samoa, and the U.S. Virgin Islands, please feel free to call our Toll-Free Number: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: expcac@ford.com</p>	<p>Ford International Business Development, Inc. P.O. Box 11957 Caparra Heights Station San Juan, PR 00922-1957 Telephone: (800) 841- FORD (3673) Fax: (313) 390-0804 E-mail: prcac@ford.com www.ford.com.pr</p>
In Middle East	
<p>Customer Relationship Center P.O. Box 21470 Dubai, United Arab Emirates Telephone: 971-4-3326084 Toll-free Number for the Kingdom of Saudi Arabia: 800 8971409 Local Telephone Number for Kuwait: 24810575 Fax: 971-4-3327299 E-mail: menacac@ford.com www.me.ford.com</p>	

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1. Introduction

Ford Motor Company and your selling dealer thank you for selecting one of our quality products. Our commitment to you and your vehicle begins with quality protection and service.

When you need warranty repairs, your selling dealer would like you to return to it for that service, but you may also take your vehicle to another Ford Motor Company dealership authorized for warranty repairs. Certain warranty repairs require special training though, so not all dealers are authorized to perform all warranty repairs. That means that, depending on the warranty repair needed, the vehicle may need to be taken to another dealer. If a particular dealership cannot assist you, then contact the Customer Relationship Center at 1-800-392-3673.

This booklet explains in detail the warranty coverages that apply to your 2025-model car or light truck. If you bought a previously owned 2025-model vehicle, you are eligible for any remaining warranty coverages.

Ford Motor Company provides the **Emissions Defect Warranties** and **Emissions Performance Warranties** which cover your emissions control systems, and **Noise Emissions Warranty** which applies only to medium/heavy duty trucks over 10,000 pounds Gross Vehicle Weight Rating (pages 24-63).

2. Important information you should know

IF YOU NEED CUSTOMER ASSISTANCE

Your Ford Motor Company dealer is available to assist you with all your automotive needs. Please follow the procedures outlined on the front page of this booklet.

In addition, if you are an eligible U.S. owner, you may use - at no cost - the services of the BBB AUTO LINE program. For details, see Better Business Bureau (BBB) AUTO LINE program, page 65 or call 1-800-955-5100.

KNOW WHEN YOUR WARRANTY BEGINS

Your Warranty Start Date is the day you take delivery of your new vehicle or the day it is first put into service (for example, as a dealer demonstrator), whichever occurs first.

NOTE: For new retail sales on or after July 1st, 2023 sold from a California retailer and/or to a California resident, the Warranty Start Date and mileage will start no earlier than when the goods are delivered to the customer.

CHECK YOUR VEHICLE

We try to check vehicles carefully at the assembly plant and the dealership, and we usually correct any damage to paint, sheet metal, upholstery, or other appearance items. But occasionally something may slip past us, and a customer may find that a vehicle was damaged before he or she took delivery. If you see any damage when you receive your vehicle, notify your dealership within one week.

MAINTAIN YOUR VEHICLE PROPERLY

Your glove compartment contains an **Owner's Manual** which indicates the scheduled maintenance required for your vehicle. Proper maintenance guards against major repair expenses resulting from neglect or inadequate maintenance, may help

increase the value you receive when you sell or trade your vehicle, and is important in allowing your vehicle to comply with applicable emissions standards.

It is your responsibility to make sure that all of the scheduled maintenance is performed and that the materials used meet Ford engineering specifications. Failure to perform scheduled maintenance as specified in the Owner's Manual will invalidate warranty coverage on parts affected by the lack of maintenance. Make sure that receipts for completed maintenance work are retained with the vehicle.

Your Ford or Lincoln dealership, or Ford or Lincoln Quality Care Service Center, has factory-trained technicians who can perform the required maintenance using genuine Ford parts. The dealership looks forward to meeting your every service need to maximize your satisfaction with your vehicle.

WHO PAYS FOR WARRANTY REPAIRS?

You will not be charged for repairs covered by any applicable warranty during the stated coverage periods, unless specifically stated elsewhere in this guide.

Some states have mandated alternate time coverage periods for parts of your vehicle (e.g. seatbelts).

Some states and/or local governments may require a tax on a portion of warranty repairs. Where applicable law allows, the tax must be paid by you, the owner of the vehicle.

During the Bumper to Bumper Warranty period, dealers may receive instructions to provide no-cost, service-type improvements - not originally included in your Owner's Manual -intended to increase your overall satisfaction with your vehicle.

Sometimes Ford may offer a special adjustment program to pay all or part of the cost of certain repairs beyond the terms of the applicable warranty. Check with your dealer or call 1-800-392-3673 to learn whether any adjustment program is applicable to your vehicle. Please have your vehicle identification number available.

DO WARRANTIES APPLY IN OTHER COUNTRIES?

Warranty Service Outside of the United States, U.S. Territories or Canada

A. In a Foreign Country Outside of the United States, U.S. Territories or Canada

If you are traveling in a foreign country outside of the United States, U.S. Territories or Canada and your vehicle remains registered in the United States, your Ford Warranty still applies if your vehicle model is sold or serviceable by an authorized Ford Distributor/Dealer in the country in which you are traveling:

- Service may be requested at any authorized Ford dealership.
- It may be necessary for the vehicle owner to pay the servicing dealer and then present the paid repair order/invoice along with the vehicle to a United States/Canada Ford dealer for a refund under the United States/Canada warranty.
- Reimbursement will not be considered if the vehicle does not return to the United States/Canada.

B. If you move outside of the United States, U.S. Territories, or Canada to another country you must contact the local Ford Customer Relations Center (CRC) to verify if your vehicle model is sold or serviceable in the destination country.

- If your vehicle model is sold or serviceable by an authorized Ford Distributor/Dealer in the destination country, you will continue to have warranty coverage that may be less than or equal to the original country's coverage.
- If your vehicle model is not sold or serviceable by an authorized Ford Distributor/Dealer in the destination country, you will not receive warranty service.
- You should contact the Customs department of the destination country before you move. Vehicle importation rules vary considerably from country to country.

Notes to A&B:

- Repairs due to the use of improper or dirty fuels and lubricants are not covered by the manufacturer's warranty.
- Vehicles shipped out of the United States, U.S. Territories or Canada to foreign countries specifically for the purpose of resale in that foreign country are not covered.
- The United States warranty does not apply if a vehicle is purchased from an authorized dealer in the United States or U.S. Territories, and the vehicle is not registered/ licensed/titled in the United States, U.S. Territories or Canada.
- Vehicles that were originally purchased through the Ford Export Operations Military Sales Program will continue to have the United States coverage as long as the vehicle is serviceable in the destination country.
- Serviceability and destination warranty coverage is at the sole discretion of Ford Motor Company.

Please refer to owner's manual under customer assistance if you have any questions or go to www.Ford.com.

You should contact the U.S. CRC to verify destination country warranty and serviceability.

3. The New Vehicle Limited Warranty for your 2025-model vehicle

LIMITATIONS AND DISCLAIMERS

All of the warranties in this booklet are subject to the following limitations and disclaimers:

The warranties in this booklet are the only express warranties applicable to your vehicle. Ford does not assume or authorize anyone to assume for it any other obligation or liability in connection with your vehicle or these warranties. No person, including Ford employees or dealers, may modify or waive any part of these warranties.

Ford and its dealers reserve the right to make changes in or additions to vehicles built or sold by them at any time without incurring any obligation to make the same or similar changes or additions to vehicles previously built or sold.

Ford and its dealers also reserve the right to provide post-warranty repairs, conduct recalls, or extend the warranty coverage period for certain vehicles or vehicle populations, at the sole discretion of Ford. The fact that Ford has provided such measures to a particular vehicle or vehicle population in no way obligates Ford to provide similar accommodations to other owners of similar vehicles.

As a condition of these warranties, you are responsible for properly using, maintaining, and caring for your vehicle as outlined in your Owner's Manual. Ford recommends that you maintain copies of all maintenance records and receipts for review by Ford.

Ford and your dealer are not responsible for any time or income that you lose, any inconvenience you might be caused, the loss of your transportation or use of your vehicle, the cost of rental vehicles, fuel, telephone, travel, meals, or lodging, the loss of personal or commercial property, the loss of revenue, or for any other incidental or consequential damages you may have.

Punitive, exemplary, or multiple damages may not be recovered unless applicable law prohibits their disclaimer.

You may not bring any warranty-related claim as a class representative, a private attorney general, a member of a class of claimants or in any other representative capacity.

Ford shall not be liable for any damages caused by delay in delivery or furnishing of any products and/or services.

You may have some implied warranties. For example, you may have an implied warranty of merchantability (that the car or light truck is reasonably fit for the general purpose for which it was sold) or an implied warranty of fitness for a particular purpose (that the car or light truck is suitable for your special purposes), if a special purpose was specifically disclosed to Ford itself not merely to the dealer before your purchase, and Ford itself not just the dealer told you the vehicle would be suitable for that purpose.

These implied warranties are limited, to the extent allowed by law, to the time period covered by the written warranties, or to the applicable time period provided by state law, whichever period is shorter.

DISCLAIMER OF IMPLIED WARRANTIES FOR BUSINESS AND RACING USE

***** Ford disclaims all implied warranties if the vehicle is used for business or commercial purposes. *****

***** Ford disclaims the implied warranty of fitness for a particular purpose if your vehicle is used for racing, even if the vehicle is equipped for racing. *****

The warranties contained in this booklet and all questions regarding their enforceability and interpretation are governed by the law of the state in which you purchased your Ford vehicle. Some states do not allow Ford to limit how long an implied warranty lasts or to exclude or limit incidental or consequential damages, so the limitation and exclusions described above may not apply to you.

APPLICABILITY OF LIMITATIONS OF IMPLIED WARRANTY TO NEW VEHICLE LIMITED WARRANTY AND EMISSIONS WARRANTY

***** This information about the limitation of implied warranties and the exclusion of incidental and consequential damages under the NEW VEHICLE LIMITED WARRANTY also applies to the EMISSIONS WARRANTIES described on pages 24-63. *****

Ford participates in the BBB AUTO LINE warranty dispute resolution program. You may contact BBB AUTO LINE by calling 800-955-5100.

You are required to submit your warranty dispute to the BBB AUTO LINE before exercising rights or seeking remedies under the Federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. To the extent permitted by the applicable state “Lemon Law”, you are also required to submit your warranty dispute to the BBB AUTO LINE before exercising any rights or seeking remedies under the “Lemon Law”.

If you choose to seek remedies that are not created by the Magnuson-Moss Warranty Act or the applicable state “Lemon Law,” you are not required to first use BBB AUTO LINE to resolve your dispute – although the program is still available to you.

For more information regarding the BBB AUTO LINE program, see page 65 of this booklet.

QUICK REFERENCE: WARRANTY COVERAGE

This chart gives a general summary of your warranty coverage provided by Ford Motor Company under the New Vehicle Limited Warranty. Please refer to the description of warranty coverage for more specific information.

For each type of coverage, the chart shows two measures:

- years in service
- miles driven

Your New Vehicle Limited Warranty	
TYPE OF COVERAGE	YEARS IN SERVICE/MILES DRIVEN
BUMPER TO BUMPER	3/36,000
POWERTRAIN	5/60,000
SAFETY RESTRAINT SYSTEM	5/60,000
CORROSION (Perforation only)	5/UNLIMITED
DIESEL ENGINE	5/100,000
HYBRID/ELECTRIC UNIQUE COMPONENT	8/100,000

The measure that occurs first determines how long your coverage lasts. For example: Your Bumper to Bumper Coverage lasts for three years - unless you drive more than 36,000 miles before three years elapse. In that case, your coverage ends at 36,000 miles.

For more details on coverage, see:

- What is Covered? (pages 10-16)
- What is Not Covered? (pages 16-21)

WHAT IS COVERED?

Your NEW VEHICLE LIMITED WARRANTY gives you specific legal rights. You may have other rights that vary from state to state. Under your New Vehicle Limited Warranty if:

- your Ford vehicle is properly operated and maintained, and
- was taken to a Ford dealership for a warranted repair during the warranty period,

then authorized Ford Motor Company dealers will, without charge, repair, replace, or adjust all parts on your vehicle that malfunction or fail during normal use during the applicable coverage period due to a manufacturing defect in factory-supplied materials or factory workmanship.

This warranty does not mean that each Ford vehicle is defect free. Defects may be unintentionally introduced into vehicles during the design and manufacturing processes and such defects could result in the need for repairs. Ford provides the New Vehicle Limited Warranty only to remedy manufacturing defects that result in vehicle part malfunction or failure during the warranty period.

The remedy under this written warranty, and any implied warranty, is limited to repair, replacement, or adjustment of defective parts. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Ford, through its authorized dealers, is willing and able to repair, replace, or adjust defective parts in the prescribed manner. Ford's liability, if any, shall in no event exceed the cost of correcting manufacturing defects as herein provided and upon expiration of this warranty, any such liability shall terminate.

Conditions that are not covered by the New Vehicle Limited Warranty are described on pages 16-21. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford, at the discretion of Ford or the Ford dealership.

Nothing in this warranty should be construed as requiring defective parts to be replaced with parts of a different type or design than the original part, so long as the vehicle functions properly with the replacement part. Moreover, Ford and its authorized dealers are entitled to a reasonable time and a reasonable number of attempts within which to diagnose and repair any defect covered by this warranty.

In certain instances, Ford may authorize repairs at other than Ford dealer facilities.

One or more separate warranties apply to tires on your new vehicle. The New Vehicle Limited Warranty covers tire defects in factory supplied material or workmanship for 100% of labor costs and on a prorated adjustment basis for parts. (See the reimbursement schedule below).

For vehicles within the New Vehicle Limited Warranty time in service and mileage coverage period, defective tires will be replaced on a prorated adjustment basis according to the following mileage-based Reimbursement Schedule:

MILES DRIVEN	PERCENT OF PARTS COVERED BY FORD
1-12,000	100%
12,001-24,000	60%
24,001-36,000	30%

The tire manufacturer also provides you with a separate tire warranty that may extend beyond the New Vehicle Limited Warranty coverage.

The tire manufacturer's tire warranty information is available through the manufacture's websites .

Tire Manufacturer	Website	Toll-Free Number
BFGoodrich	www.bfgoodrichtires.com	1-877-788-8899
Bridgestone /Firestone	www.bridgestonetire.com www.firestonetire.com	U.S.: 1-800-356-4644 Canada: 1-800-267-1318
Continental/General	www.continentaltire.com www.generaltire.com	U.S.: 1-800-847-3349 Canada: 1-855-453-1962
Goodyear/Dunlop	www.goodyear.com	U.S.: 1-800-321-2136 Canada: 1-855-453-1962
Hankook	U.S.: www.hankooktire.com/us Canada: www.hankook.com/ca-en	U.S.: 1-800-426-5665 Canada: 1-800-843-7709
Linglong	www.linglongtire.com	1-844-692-8527
Maxxis	www.maxxis.com	1-866-509-7067
Michelin	www.michelinman.com	1-866-866-6605
Nitto	www.nittotire.com	1-888-529-8200
Pirelli	U.S.: www.pirelli.com/tires/en-us/car/tire-use-guide-warranty/tirewarranty Canada: www.pirelli.com/tires/en-ca/car/tire-warranty	1-800-747-3554 (English) 1-800-363-0583 (French)
Toyo	www.toyotires.com	1-800-442-8696
Sumitomo/Falken	www.falkentire.com	1-800-723-2553

You have the option of having a tire warranty repair performed by the tire manufacturer's authorized service center. If you go to a tire service center for a repair covered by the New Vehicle Limited Warranty, you may be charged a prorated amount for wear or other charges. If so, you should present your paid invoice detailing the nature of the charges to any Ford Motor Company dealership for refund consideration. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford. In

certain instances, Ford may authorize repairs at other than Ford dealer facilities. Tire replacements under warranty will be made with the same brand and model as originally equipped with the vehicle unless the same brand and model is no longer available, in which case a tire of the same brand, size, load, speed and tread type will be used. In some circumstances, Ford may authorize another brand and/or model to substitute for the original brand and model, even if still available.

Normal tire wear or damage is not reimbursable. See page 20 for details of what is not covered.

Extended warranty coverage periods are available for certain vehicle parts and conditions. Specifically,

(1) Your vehicle's Powertrain components are covered for five years or 60,000 miles, whichever occurs first. The extended coverage applies to the Engine: all internal lubricated parts, cylinder block, cylinder heads, electrical fuel pump, powertrain control module, engine mounts, flywheel, injection pump, manifold (exhaust and intake), manifold bolts, oil pan, oil pump, seals and gaskets, engine thermostat, engine thermostat housing, timing chain cover, timing chain (gears or belt), turbocharger/supercharger unit, valve covers, water pump; **Transmission:** all internal parts, clutch cover, seals and gaskets, torque converter, transfer case (including all internal parts), transmission case, transmission mounts (front and rear); **Front-Wheel Drive:** axle shafts, support bracket, front bearings, seals and gaskets, universal and constant velocity joints; **Rear-Wheel Drive:** axle shafts, rear bearings, center support bearing, drive axle housing (including all internal parts), drive shaft, retainers, supports, seals and gaskets, universal and constant velocity joints. **Four-Wheel/All-Wheel Drive:** axle shafts, support bracket, bearings (front and rear), center support bearing, drive shafts, final drive housing (including all internal parts), hubs-automatic front locking (four-wheel drive), locking rings (four-wheel drive), seals and gaskets, universal and constant velocity joints.

(2) Your vehicle's safety belts and air bag Supplemental Restraint System (SRS) are covered for an extended Safety Restraint Coverage Period, which lasts for five years or 60,000 miles, whichever occurs first.

(3) Your vehicle's body sheet metal panels are covered for an extended Corrosion Coverage Period, which lasts for five years, regardless of miles driven. The extended warranty coverage only applies if a body sheet metal panel becomes perforated due to corrosion during normal use due to a manufacturing defect in factory-supplied materials or factory workmanship. If aluminum body panels have corrosion or rust damage, and the damage is not the result of abnormal usage, vehicle accident, customer actions and/or extreme environmental conditions, the corrosion or rust damage repairs are covered for 5 years, unlimited miles. For damage caused by airborne material (environmental fallout) where there is no factory-related defect involved and therefore no warranty – our policy is to provide free repair of paint damage due to airborne material/environmental fallout when damage is reported within seven calendar days of the new vehicle delivery date (Warranty Start Date).

(4) Your vehicle's direct injection diesel engine and certain engine components are covered during the Diesel Engine Coverage Period, which lasts for five years or 100,000 miles, whichever occurs first. The following parts are covered during this extended coverage period: the engine, cylinder block, heads and all internal parts, intake and exhaust manifolds, timing gear, harmonic balancer, valve covers, oil pan and pump, water pump, fuel system (excluding fuel lines, fuel tank and frame mounted fuel conditioning module sometimes referred to as the frame mounted pump/filter/water separator or frame mounted fuel filter/water separator), high pressure lines, gaskets and seals, glow plugs, turbocharger, two-stage turbocharger assembly, turbocharger actuator, powertrain control module, high pressure fuel injection pump assembly, injectors, injection pressure sensor, fuel rail pressure sensor, exhaust back pressure regulator and sensor, exhaust pressure sensor, manifold pressure sensor, intake air temperature sensor, crankshaft position sensor, camshaft position sensor, accelerator switch.

(5) The electrical drivetrain system of your vehicle is covered by the Hybrid & Electric Vehicle Unique Component coverage for eight years or 100,000 miles, whichever comes first. The components in the electrical drivetrain system of your vehicle will vary, depending on whether your vehicle is a hybrid, plug-in hybrid, but you can rest assured knowing that your vehicle's electrical drivetrain system is covered by this comprehensive warranty. Depending on your vehicle, electrical drivetrain system components covered by this warranty may include, and are not limited to: high-voltage battery, high-voltage battery connector, battery energy control module (BECM), on-board charger, inverter system controller (ISC), DC/DC converter, hybrid continuously variable transmission or electric driveline motor and transmission range sensor. If an electrical drivetrain system component requires replacement under warranty, it may be replaced with a new, factory remanufactured, or factory refurbished component, at Ford's discretion. Refurbished battery components selected for your vehicle will align with your vehicle's age and mileage, and meet Ford's stringent requirements and standards. (see "NOTE: High-Voltage Battery Gradual Capacity Loss" below).

NOTE: High Voltage Battery Gradual Capacity Loss

The high voltage battery will experience gradual capacity loss with time and use, similar to all batteries, which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the high voltage battery.

NOTE: Some components may also be covered by the Emissions Warranties. For more information, see pages 24-63.

If you own or lease a 2025-model Next Generation Police Interceptor Vehicle (NGPI), refer to the Warranty Addendum Card that was given to you when you took delivery of your vehicle for further explanation of Amendments to the New Vehicle Limited Warranty. The Warranty Addendum applies only the NGPI vehicles delivered in the State of Florida and New York.

(6) Certain Commercial customers with a Valid Fleet Identification Number (FIN Code) are eligible for a five year / 100,00 mile limited powertrain warranty extension on the following vehicles: F-150 (Excluding Raptor), Super Duty (F-250 through F600) pickup, chassis cabs (F53/F59), Transit, Transit Connect and E-Series. Vehicle must be reported as a sales type “fleet” at original time of sale. To become a U.S. Ford Fleet Account, for vehicles which are owned and operated in the United States, you must register for a U.S. Fleet Identification Number (FIN Code). You will also be asked to provide proof of eligibility documentation for the vehicles in your fleet. To see if you qualify, please see the eligibility restrictions at www.fleet.ford.com/get-started.

This warranty extension will stay with the vehicle even if it is subsequently sold to a non-fleet customer before the expiration. This extension applies to both gas and diesel powertrains.

Ford Power-Up software updates

During the warranty coverage period, Ford Motor Company warrants that:

- you will not be charged for diagnosis, repair, replacement, or adjustment of components that are damaged or inoperable due to a defect caused by a Ford Power-Up software update.

WHAT IS NOT COVERED?

Damage Caused By:

- accidents, collision or objects striking the vehicle (including driving through a car wash)
- theft, vandalism, or riot
- fire or explosion
- using contaminated or improper fuel/fluids
- customer-applied chemicals or accidental spills
- driving through water deep enough to cause water to be ingested into any component. i.e. powertrain components
- misuse of the vehicle, such as driving over curbs, overloading, racing or using the vehicle as a permanent stationary power source

(Plug-In Vehicles only) - The New Vehicle Limited Warranty does not cover: damage to the 120V convenience cord caused by misuse of the cord. Always use the convenience cord in a manner that conforms to the directions found in the Owner's Manual.

Damage Caused by Alteration or Modification

The New Vehicle Limited Warranty does not cover any damage caused by:

- alterations or modifications of the vehicle, including the body, chassis, electronics or their components, after the vehicle leaves the control of Ford Motor Company
- tampering with the vehicle, tampering with the emissions systems or with the other parts that affect these systems (for example, but not limited to exhaust and intake systems)
- the installation or use of a non-Ford Motor Company part or software (other than a certified emissions part or software) or any part or software (Ford or non-Ford) designed for off-road use only installed after the vehicle leaves the control of Ford Motor Company if the installed part fails or causes a Ford part to fail. Examples include, but are not limited to lift kits, oversized tires, roll bars, cellular phones, alarm systems, automatic starting systems and performance-enhancing powertrain components or software and performance "chips". Your vehicle may allow, enable or facilitate the use of certain non-Ford Motor Company software. Ford is not responsible for the functionality of such software. Ford may disallow, discontinue or modify your ability to use such software at any time without prior notification or incurring any warranty or other obligation. Non-Ford Motor Company software may be governed by End User License Agreement or warranty provided by the software provider. For Ford Motor Company software see End User License Agreement found in the Owner Manual.

Damage Caused by Use and/or the Environment

The New Vehicle Limited Warranty does not cover surface rust, deterioration and damage of paint, trim, upholstery, and other appearance items that result from use and/or exposure to the elements. You, as the owner, are responsible for these items. Some examples are:

- dings, dents
- cuts, burns, punctures or tears
- road salt
- tree sap, bird and bee droppings
- windstorm, lightening, hail
- earthquake
- freezing, water or flood
- stone chips, scratches (some examples are on paint and glass)
- windshield stress cracks. However, limited coverage on windshield stress cracks will be provided for the first 12 months or 12,000 miles (whichever occurs first), even though caused by use and/or exposure to the elements.

Maintenance/Wear

The New Vehicle Limited Warranty does not cover: (1) parts and labor needed to maintain the vehicle; and (2) the replacement of parts due to normal wear and tear. You, as the owner, are responsible for these items. See your Owner's Manual. Some examples of maintenance and normal wear are:

- | | |
|----------------------------------|--|
| • oil changes | • clutch linings |
| • oils, lubricants, other fluids | • wiper blades |
| • oil/air filters | • wheel alignments and tire balancing* |
| • tire rotation/inflation | • brake pad/lining* |
| • cleaning/polishing | |

* Ford will replace or adjust certain maintenance items when necessary, free of charge during a limited period:

- Wheel alignments and tire balancing will be provided during the first 12 months or 12,000 miles in service, whichever occurs first. Wheel alignment and steering wheel adjustments on incomplete vehicles (i.e. Chassis Cabs/Cutaway/box delete) are not reimbursable after the Second Unit body is added unless related to a Ford warranty repair for the incomplete vehicle.
- Brake pad/lining replacements will be provided during the first 12 months or 18,000 miles in service, whichever occurs first.

SYNC Hands-Free Communications and Entertainment System

If your vehicle is equipped with SYNC, the New Vehicle Limited Warranty does not cover repairs under certain conditions, such as failure to provide proper installation environment. The New Vehicle Limited Warranty does not cover repairs for certain damage or loss, such as:

- Loss of personal recording media, software or data
- Loss, change, or discontinuation of functionality because of:
 - system updates to Ford Motor Company software or lack of compatibility with non-Ford Motor Company electronic devices
 - non-Ford Motor Company software, or
 - obsolescence of vehicle software or hardware
 - lack of network coverage or availability
- Damage caused by:
 - abnormal use such as insertion of foreign objects, fluid spillage
 - unauthorized modification to alter functionality or capability
 - computer or internet viruses, bugs, or malware, such as worms, Trojan Horses, cancelbots
 - installation of unauthorized software, peripherals and attachments
 - unauthorized, unapproved and/or incompatible repairs, upgrades and modification

- the defective function or obsolescence of your cellular phone or digital media device (for example, inadequate signal reception by the external antenna, viruses or other software problems)

Tire Wear or Damage

The New Vehicle Limited Warranty does not cover normal wear or worn out tires. Tires will not be replaced (unless required by a warranty repair) for wear or damage including:

- tire damage from road hazard such as cuts, snags, bruises, bulges, puncture, and impact breaks
- tire damage due to under or over inflation, tire chain use, racing, spinning (as when stuck in snow or mud), improper mounting or dismounting, or tire repair

Other Items or Conditions Not Covered

The New Vehicle Limited Warranty does not cover:

- vehicles that have had the odometer disconnected, altered, or inoperative for an extended period of time with the result that the actual mileage cannot be determined
- vehicles that have ever been labeled or branded as dismantled, fire, flood, junk, rebuilt, reconstructed, or salvaged; this will void the New Vehicle Limited Warranty
- vehicles that have been determined to be a total loss by an insurance company; this will void the New Vehicle Limited Warranty
- converted ambulances that are not equipped with the Ford Ambulance Prep Package, see important information about ambulance conversions (page 68)
- aftermarket parts or components, sometimes installed by Ford Motor Company or an authorized Ford dealership, may not be covered by the New Vehicle Limited Warranty. Any damage caused to Ford components due to the failure of aftermarket parts (other than a certified emissions part) is not covered.

- high-voltage battery replacement due to improper vehicle storage. Refer to the Owner's Manual for the proper ways your vehicle's battery must be maintained in the event the vehicle is not driven or is stored for an extended period of time. The Lithium-ion battery (EV battery) will experience gradual capacity loss with time and use (similar to all lithium-ion batteries), which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the Lithium-ion battery.
- if the component that caused the failure is beyond coverage and damages a component with remaining coverage, the entire repair is NOT reimbursable.

4. In addition ...

ROADSIDE SERVICE ASSISTANCE (UNITED STATES, PUERTO RICO, AND U.S. VIRGIN ISLANDS)

Your vehicle is covered by the complimentary Ford Roadside Assistance Program (unless you are driving a daily rental unit). Under this program, Ford will cover:

- Towing to the nearest Ford Motor Company dealership, or towing to your selling dealership if within 35 miles of the disablement
- Flat tire change (vehicle must have usable spare)
- Fuel delivery (limited to two occurrences in a 12-month period up to 2 gal. gas, 5 gal. diesel)
- 12V Battery jump starts
- Lock-out assistance (replacement key cost is customer responsibility)
- Winch out services: includes pulling a vehicle within 100 feet of a paved or county maintained road. No recoveries.

The Roadside Assistance Program is separate from the New Vehicle Limited Warranty. It begins at the warranty start date and lasts for five years or 60,000 miles (whichever occurs first). If you need towing beyond the five years or 60,000 miles (whichever occurs first) period, Ford can arrange roadside assistance and charge your credit card. If the reason for the vehicle disablement is later found to be covered by a Ford or Lincoln Protect extended service plan, you may seek reimbursement for a tow charge under that plan.

For emergency roadside assistance, call 1-800-241-3673, 24 hours a day, 365 days a year.

Ford Rent-A-Car (FRAC) and Dealer Daily Rental (DDR) vehicles that must be towed because a covered repair failed during the warranty coverage period, Ford will cover towing to the nearest Ford Motor Company dealership.

Ford Motor Company reserves the right to modify or discontinue Roadside Assistance at any time. Certain restrictions apply to Roadside Assistance benefits. Call 1-800-241-3673 for further details.

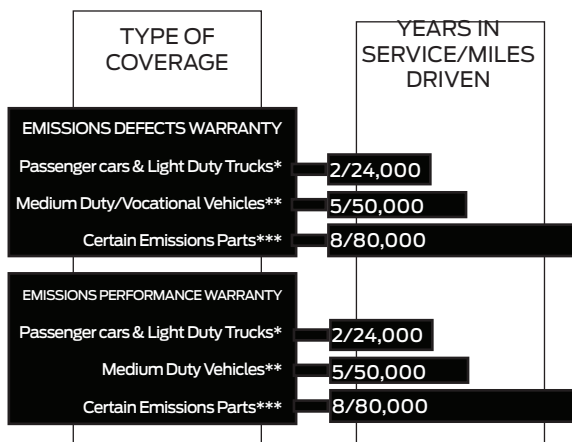
5. Federal requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows your warranty coverage under two emissions warranties that Ford Motor Company provides, in compliance with Federal requirements. The warranties are:

- Emissions Defects Warranty
- Emissions Performance Warranty

Emissions Warranties for Your Vehicle



* Applies to certain vehicles up through 10,000 pounds gross vehicle weight rating (GVWR)

** Medium Duty/Heavy Duty Vehicles may apply to certain trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR. Vocational Vehicles may apply to certain trucks over 8,500 pounds GVWR and less than 19,500 pounds GVWR.

*** Applies to certain vehicles up through 14,000 pounds gross vehicle weight rating (GVWR).

Note: Vocational vehicle tires covered for 2/24,000 for defects that affect compliance with greenhouse gas requirements.

For full details on emissions control coverage, see:

- Emissions Defect Warranty (pages 25-27)
- Emissions Performance Warranty (pages 27-28)
- What is Covered? (pages 29-31)
- What is Not Covered? (page 31)

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

EMISSIONS DEFECT WARRANTY COVERAGE

During the warranty coverage period, Ford Motor Company warrants that:

- your vehicle or engine is designed, built, and equipped to meet at the time it is sold - the emissions regulations of the U.S. Environmental Protection Agency (EPA).
- your vehicle or engine is free from emission-related defects in factory-supplied materials or workmanship, which are defects that could prevent the vehicle or engine from conforming with applicable EPA regulations.
- you will not be charged for diagnosis, repair, replacement, or adjustment of parts containing an emissions-related defect. A list of emission-related parts can be found in **What is Covered?** on pages 29-31.

The warranty coverage period for:

- The emissions defects warranty coverage period for passenger cars and light duty trucks (applies to vehicles up through 8,500 pounds GVWR) and medium-duty passenger vehicles (up through 10,000 pounds GVWR designated as an “MDPV” on the underhood “VEHICLE EMISSIONS CONTROL INFORMATION” label) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, particulate filters and particulate traps, electronic emissions control unit, and onboard emissions diagnostic devices, including the battery energy control module (BECM), and emission-related reprogramming of modules.
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts. (Note: Ford’s 3-year, 36,000-mile bumper-to-bumper coverage, as described above, surpasses this mandatory federal coverage.)

- Medium duty vehicles (applies to trucks over 8,500 pounds GVWR up through 14,000 pounds GVWR and not designated as a “vocational vehicle” on the underhood “VEHICLE EMISSIONS CONTROL INFORMATION” label) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, SCR catalysts and related components, particulate filters and particulate traps (used with both spark-ignition and compression -ignition engines), components related to exhaust gas recirculation with compression-ignition engines and emission control modules.
 - 5 years or 50,000 miles (whichever comes first) for all other parts covered by your emissions warranty.
- Vocational Vehicles (applies to trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR designated as a “vocational vehicle” on the underhood “VEHICLE EMISSIONS CONTROL INFORMATION” label)
 - The emissions warranty coverage period for vocational vehicles is 5 years or 50,000 miles (whichever comes first) for all parts covered by your emissions warranty. The 5 year or 50,000 mile warranty includes coverage of components whose failure would increase the vehicle’s emissions of air conditioning refrigerants. Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

EMISSIONS PERFORMANCE WARRANTY COVERAGE

Under Emissions Performance Warranty Coverage, Ford Motor Company will repair, replace, or adjust - with no charge for labor, diagnosis, or parts - any emissions control device or system, if you meet all of the following conditions:

- You have maintained and operated your vehicle according to the instructions on proper care in the Owner's Manual and this booklet.
- Your vehicle fails to conform, during the warranty coverage period, to the applicable national EPA standards, as determined by an EPA-approved emission test.
- You are subject to a penalty or sanction under local, state, or federal law because your vehicle has failed to conform to the emissions standards. (A penalty or sanction can include being denied the right to use your vehicle.)
- Your vehicle has not been tampered with, misused, or abused.

The warranty coverage period for:

- The emissions performance warranty coverage period for passenger cars and light duty trucks (applies to vehicles up through 8,500 pounds GVWR) and medium-duty passenger vehicles (up through 10,000 pounds GVWR designated as an "MDPV" on the underhood "VEHICLE EMISSIONS CONTROL INFORMATION" label) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, particulate filters and particulate traps, electronic emissions control unit, and onboard emissions diagnostic devices, including the battery energy control module (BECM), and emission- related reprogramming of modules.
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts.
- Medium duty vehicles (applies to trucks over 8,500 pounds GVWR up through 14,000 pounds GVWR and not designated as a "vocational vehicle" on the underhood "VEHICLE EMISSIONS CONTROL INFORMATION" label) is as follows:

- 8 years or 80,000 miles (whichever occurs first) for catalytic converters, SCR catalysts and related components, particulate filters and particulate traps (used with both spark-ignition and compression-ignition engines), components related to exhaust gas recirculation with compression-ignition engines and emission control modules.
- 5 years or 50,000 miles (whichever comes first) for all other parts covered by your emissions warranty.

See **WHAT IS COVERED?** below for list of covered parts.

Note that the warranty period begins on the **Warranty Start Date** as specified on page 2 of this booklet.

WHAT IS COVERED?

If the parts on the following list contain an emissions-related defect, they are covered by the Defects Warranties.

- Aftertreatment Sensors
- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Anti-lock Brake System Module (Hybrid and Plug-in Hybrid vehicles only except Explorer hybrid)
- Battery Energy Control Module (BECM)
- Belt Integrated Starter Generator (Hybrid and Plug-in Hybrid vehicles only)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/ Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System
- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control valve

- Glow Plugs (diesel only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold
- Intercooler Assembly-Engine Charger
- Inverter System Controller (Plug-in Hybrid vehicles only)
- Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
- Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
- Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
- Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
- Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
- PCV system and Oil Filler Cap
- Onboard Charger (Plug-in Hybrid vehicles only)
- Secondary Air Injection System
- Spark Control Components
- Spark Plugs and Ignition Wires
- Thermostat
- Throttle Body Assembly (MFI)
- Transmission Assembly (Plug-in Hybrid vehicles only)
- Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
- Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
- Transmission Control Module (TCM) and Solenoids
- Turbocharger Assembly
- Vacuum Distribution System

* Includes hardware and emissions related software changes only

Important Information About List of Parts

Also covered by the two emissions warranties are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non-diesel fuel lines, sensors, and wiring harnesses that are used with components on the list of parts, above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until : (a) the first replacement time that is specified in your **Owner's Manual**; or (b) the time or mileage limits of the Federal Defect and Performance Warranties (whichever occurs first). Your Ford Motor Company dealer maintains a complete list of parts covered by the emissions performance warranty. For questions about emission-related parts, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage due to abuse, neglect, improper maintenance, or unapproved modifications.

If you need more information about getting service under the **Federal Emissions Performance Warranty**, or if you want to report what you believe to be violations of the terms of this warranty, you may contact:

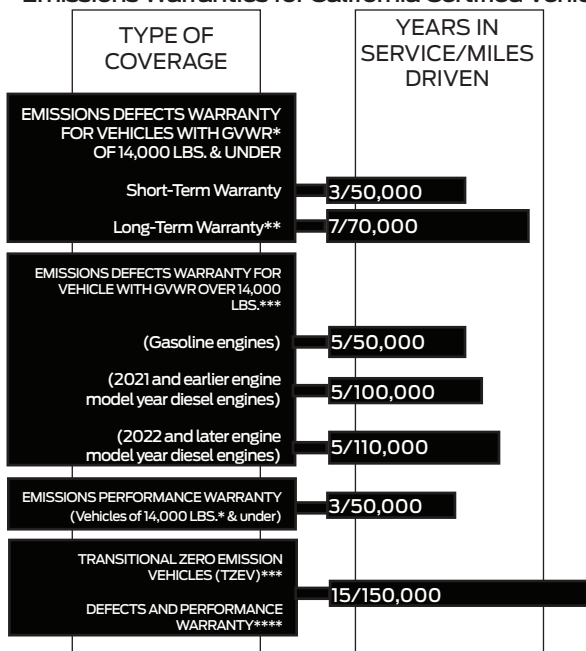
**U.S. Environmental Protection
Agency Office of Transportation
and Air Quality Compliance
Division, Light-Duty Vehicle Group
Attn: Warranty Complaints
2000 Traverwood Drive
Ann Arbor, MI 48105
Email: complianceinfo@epa.gov**

6. California requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows the emission warranty that Ford Motor Company provides for your vehicle under the emissions control warranty in accordance with the regulations of the California Air Resources Board. This coverage is in addition to Federal Emission warranties page 24.

Emissions Warranties for California Certified Vehicles



* Gross Vehicle Weight Rating

** These specific parts were selected on the basis of their estimated replacement cost at the time the California Air Resources Board certified your vehicle for sale in California (up through 14,000 pounds GVWR).

*** Refer to your Vehicle Emission Control Information and Important Engine Information (if applicable) label for emissions certification information.

**** Except for the high voltage battery, which is covered for 10 years or 150,000 miles (whichever occurs first).

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

Vehicles Eligible for California Emission Warranty Coverage

California emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state¹ that has adopted and is enforcing California emission warranty regulations applicable for your vehicle at the time of repair, and
- Your vehicle is certified for sale in California as indicated on the vehicle emission control information label.

¹ Subject to change, the following states have adopted and are enforcing California emission warranty regulations:

- **Passenger Car & Light-duty Trucks** (up through 8,500 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, Virginia and Washington
- **Medium-Duty Passenger Vehicles** (up through 10,000 pounds GVWR designed primarily for the transportation of persons. Excludes incomplete trucks, trucks with a seating capacity either over twelve persons total or over nine persons rearward of the driver's seat, or trucks with an open cargo area of at least six feet of interior length): California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New York, Oregon, Rhode Island, Vermont, Virginia and Washington
- **Medium-Duty Vehicles** (over 8,500 pounds GVWR up through 14,000 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, Minnesota, Nevada, New York, Oregon, Rhode Island, Vermont and Virginia.
- **Light Heavy-Duty Diesel Engine Vehicles** (over 14,000 pounds GVWR up through 19,500 pounds GVWR) - California, Maine and Pennsylvania.

Vehicles Eligible for California Transitional Zero Emission Vehicle (TZEV) Emission Warranty Coverage

California Transitional Zero Emissions Vehicle (TZEV) extended emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state** that has adopted and is enforcing California TZEV emissions warranty regulations applicable to your vehicle at the time of repair, and
- Your vehicle is certified as a TZEV in California as indicated on the vehicle emission control information label.

**Subject to change, the following states have adopted and are enforcing California TZEV emission warranty regulations: California, Colorado, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Rhode Island, and Vermont (NOTE: Delaware, Pennsylvania and Washington did not adopt the California TZEV emission warranty; standard California emission warranty coverage applies to all emission components. Oregon adopted high voltage battery TZEV warranty requirements only.)

For full details about coverage under California requirements for emissions control, see:

- Defects Warranties (pages 35-59)
- Performance Warranty (pages 35-38)
- What Is Covered? (pages 39-59)
- What Is Not Covered? (page 59)

EXPLANATION OF CALIFORNIA EMISSIONS WARRANTIES

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

Your Warranty Rights and Obligations

The California Air Resources Board and Ford Motor Company are pleased to explain the emission control system warranty on your 2025-model vehicle. In California, new motor vehicles must be designed, built, and equipped to meet the State's stringent anti-smog standards. Ford must warrant the emission control system on your vehicle for the periods of time listed on pages 35-38, provided there has been no abuse, neglect, or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel injection system, the ignition system, catalytic converter, and the engine computer. Also included may be hoses, belts, connectors, and other emissions-related assemblies.

Where a warrantable condition exists, Ford Motor Company will repair your vehicle at no cost to you including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

For Vehicles Eligible for California Emission Warranty Coverage

If Gross Vehicle Weight Rating is 14,000 lbs. or less:

For 3 years or 50,000 miles (whichever occurs first):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.
2. If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Ford. This is your short-term emission control system DEFECTS WARRANTY.

For 7 years or 70,000 miles (whichever occurs first):

If an emissions-related part listed in this warranty booklet specially noted with coverage for 7 years or 70,000 miles is defective, the part will be repaired or replaced by Ford. This is your long-term emission control system DEFECTS WARRANTY.

For a list of the high-priced emission-related parts that are covered for 7 years or 70,000 miles, go to www.owner.ford.com /Owner Manuals.

Select the list that corresponds to the model and the model year of your vehicle. **NOTE:** This list is vehicle specific and may not be the same for all vehicles. It is based on the replacement cost of each specific part, which can vary between vehicle lines.

If Gross Vehicle Weight Rating is over 14,000 lbs.:

- If a covered component contains an emissions-related defect, the component will be repaired or replaced by Ford:
 - For 5 years or 50,000 miles (whichever occurs first) for gasoline engines
 - For 5 years or 110,000 miles (whichever occurs first) for diesel engines

Vocational Vehicles (applies to trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR designated as a “vocational vehicle” on the underhood “VEHICLE EMISSIONS CONTROL INFORMATION” label)

- In addition to the defects warranties already described, the defects warranty period for components whose failure would increase the vehicle’s emissions of air conditioning refrigerant is 5 years or 50,000 miles (whichever occurs first). Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles (whichever occurs first).

For Vehicles Eligible for California TZEV Emission Warranty Coverage

Except as noted below, for 15 years or 150,000 miles (whichever first occurs):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system **PERFORMANCE WARRANTY**.
2. If any covered component contains an emissions-related defect, the component will be repaired or replaced by Ford. This is your emission control system **DEFECTS WARRANTY**.

NOTE: The TZEV warranty period for the high-voltage battery is 10 years or 150,000 miles (whichever first occurs).

Owner's Warranty Responsibilities

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Ford Motor Company recommends that you retain all receipts covering maintenance on your vehicle, but Ford cannot deny warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to a Ford Motor Company dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should also be aware that Ford Motor Company may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, or if you want to report what you believe to be violations of the terms of this warranty, you may contact the Ford Customer Relationship Center at 1-800-392-3673 (FORD) or the California Air Resources Board at:

**California Air Resources Board
4001 Iowa Avenue
Riverside, California 92507**

WHAT IS COVERED?

If the parts on the following list contain an emissions-related defect, they are covered by the Defects Warranties.

- Aftertreatment Sensors
- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Anti-lock Brake System Module (Hybrid and Plug-in Hybrid vehicles only except Explorer hybrid)
- Battery Energy Control Module (BECM)
- Belt Integrated Starter Generator (Hybrid and Plug-in Hybrid vehicles only)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Camshaft**
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Cylinder head**
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/ Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Exhaust Valve**
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System

- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control valve
- Glow Plugs (diesel only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold
- Intake Valve**
- Intercooler Assembly-Engine Charger
- Inverter System Controller (Plug-in Hybrid vehicles only)
- Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
- Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
- Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
- Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
- Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
- PCV system and Oil Filler Cap
- Piston**
- Onboard Charger (Plug-in Hybrid vehicles only)
- Secondary Air Injection System
- Spark Control Components
- Spark Plugs and Ignition Wires
- Thermostat
- Throttle Body Assembly (MFI)
- Transmission Assembly (Plug-in Hybrid vehicles only)
- Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
- Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
- Transmission Control Module (TCM) and Solenoids
- Turbocharger Assembly
- Vacuum Distribution System
- Valve Spring**

* Includes hardware and emissions related software changes only

** Heavy-Duty Diesel only

"COVERAGE FOR 2025 MODEL VEHICLES (GVWR OF 14,000 LBS. OR LESS) UNDER LONG TERM DEFECTS WARRANTY
 APPLICABLE ONLY TO CALIFORNIA-CERTIFIED VEHICLES REGISTERED IN A STATE THAT HAS ADOPTED AND IS ENFORCING
 CALIFORNIA EMISSION WARRANTY REGULATIONS
 (Coverage for up to 7 years/70,000 miles, whichever first occurs)"

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
Instrument Cluster (2)	X	X	X	X	X	X	X	X	X	X	X
Active Grill Shutter Actuator						X	X		X		X
Battery Energy Control Module											
On-Board Battery Charger (1)								X			
High Voltage Trancion Battery								X	X		
Battery Integrated Starter Generator											
CS Sensor Ring						X					
Powertrain Control Wiring Harness (4)	X	X	X	X	X			X	X	X	
Ambient Air Temperature Sensor											X
Sensor Coolant Temp				X	X						X
Powertrain Control Module (PCM) / Engine Control Module	X	X	X	X	X	X	X	X	X	X	X
Knock Sensor (KS)				X	X						X
Exhaust Gas Temperature Sensor Assembly											
Engine Control Sensor & Fuel Charge Wrng Assy (4)											
Wire Assembly - Engine Control and Sensors (4)		X	X	X				X	X	X	
Rear Lamp Connection Wire Harness (4)										X	
Dash Panel & Headlamp Junction Wiring (4)	X	X	X	X	X	X	X	X	X	X	X
Battery Harness (4)											X
Interior Wiring Assembly (4)			X	X	X					X	X
Roof Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	
Main Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Rear Lamp Wiring Assembly (4)			X	X	X					X	
Fuel Sender Wiring Assembly (4)	X	X				X	X	X	X		
Fuel Tank Jumper Harness			X	X	X						
Fuse Assembly (4)			X	X	X	X	X	X	X		X
Main Body Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X
HVEDS Charge Port Harness								X	X		
Main Jumper Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Molded Lead Frame Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X
Transmission Harness Connector (4)	X	X	X	X	X					X	X
Battery Harness/ Engine Wiring Assembly (4)											
DCDC Converter and Bracket Assembly								X	X		
Inductor								X	X		
Gateway Module	X	X	X	X	X	X	X	X	X	X	X
ISC and Bracket Assembly								X	X		
Transmission Harness Connector											
Body Control Module (BCM)											
Valve Assembly - Htr Wtr Control (4)								X	X		
Pump Assembly Htr (1)(4)-CAC Pump								X			

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
EGHR-Exhaust Gas Heat Recovery								X	X		
A/C Compressor								X	X		
CONDENSER - A/C											
CONDENSER - A/C								X	X		
A/C Condenser								X	X		
Condenser to Evaporator Tube											
A/C Expansion Valve											
A/C Evaporator Assembly								X	X		
REFRIGERANT HOSE/ACCUM - A/C											
A/C Compressor to Condenser Tube											
Refrigerant Line-A/C											
REFRIGERANT - A/C											
A/C Accumulator Assembly								X	X		
Switch-A/C Pressure											
COMPRESSOR - A/C								X	X		
COMPRESSOR - A/C											
Core & SE Asy-A/C Evp								X	X		
Brake Vacuum Pump (1)											
ABS Module			X								
ABS Electronic Control Module (4)			X					X	X		
Power Steering Wiring Assembly (4)										X	
Shims								X	X		
Bearing on the differential								X	X		
Bearing Race								X	X		
Bearing on the differential								X	X		
Underbody Catalyst and Cold End Assembly Active Exhaust Valve					X						
Catalyst Inlet Pipe			X								
Active Exhaust Valve											
EGHR-Exhaust Gas Heat Recovery											
Top assembly Cold End Exhaust											
Exhaust to Turbo Gasket				X	X					X	
Catalytic Converter	X	X	X	X	X	X	X	X	X	X	X
Catalytic Converter											X
Catalytic Converter			X	X	X					X	
Catalytic Converter and Pipe											
Exhaust Manifold & Catalyst Assembly								X	X		
Diesel Particulate Filter Assembly											
Catalyst and Particulate Filter Assembly											
DEF Tank											
Reductant Pump Assembly											
DEF Quality Sensor											
DEF Pressure Line											

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
DEF Tank											
NOX Module, NOX Sensor Assembly											
Reductant Heater and Sender Asy											
Cylinder head											
Piston											
Camshaft											
Camshaft Timing Assembly	X	X	X	X	X	X	X	X	X	X	X
Adjuster Assembly - Valve Lifter (4)	X	X	X	X	X	X	X	X	X	X	X
Exhaust Valve											
Intake Valve											
Valve Spring											
Arm Assembly - Valve Rocker (4)	X		X	X	X	X				X	X
Valve Rocker Cover Assembly (RH, LH)		X	X	X	X	X				X	X
Oil Pump Assembly (4)				X	X			X	X	X	
Crankshaft Position Sensor (CKP)										X	
Variable Camshaft Timing Assembly	X	X	X	X	X	X	X			X	X
Duct, Charge Air Cooler Hot		X		X							
Supercharger Assembly											
Charge Air Cool Tube Assembly Inlet		X		X							
Charge Air Cool Tube Assembly Outlet		X									
Turbocharger Control Valve (Supercharger Bypass Actuator)											
Cylinder Head Temperature Sensor				X	X						X
Solenoid Assembly (4)											
Camcover Gasket		X	X	X	X					X	X
Turbocharger	X	X	X	X	X	X	X			X	X
Charge Air Cooler	X	X				X	X			X	X
Catalytic Converter Gasket										X	
Engine Variable Camshaft Timing Solenoid			X							X	X
Exhaust Manifold and Turbo to Up-Pipe Gaskets											
Downpipe											
Gasket for Turbo Oil Tube			X			X	X	X	X	X	
Transmission/ HPCM-Hybrid Powertrain Control Module (1)								X	X		
Transmission/Diff Assembly (4)										X	X
Damper housing - trans case half								X	X		
Bearing											
Input shaft seal in Damper Hsg								X	X		
ISC Final Assembly (ISC+bracket)											
Back cover								X	X		
Oil flow funnel								X	X		
Filter								X	X		
Transmission Control Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Transmission Auxiliary Oil Pump (1)								X			

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
Ring gear								X	X		
Park Pawl								X	X		
Planetary Gear Assembly								X	X		
Inverter System Controller (1) (4)								X	X		
Splash Cover/ Vent Plate								X	X		
Gasket ISC								X	X		
INDUCTOR BOLT -DOWEL PIN								X	X		
Transmission Harness Connector (4)			X	X	X					X	X
Park sping											
Pawl Shaft											
Bearing											
Rod Park											
PRK ABUT BRKT-Park component											
Transmission Range Sensor Assembly											
Gear								X	X		
Final Drive Ring Gear								X	X		
Ring & Diff Assembly								X	X		
Park Rod ABUT								X	X		
Transmission Torque Clutch Solenoid Assembly (4)	X	X	X	X	X	X	X	X	X		
Transmission Internal MLF Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X
Ring -Snap ring								X	X		
Pressure Regulator Sensor	X	X	X	X	X	X	X	X	X	X	
Transmission Solenoid Assembly	X	X				X	X	X	X		
Pressure Regulator Solenoid Assembly	X	X				X	X	X	X		
Gear - pump drive								X	X		
Output Shaft Speed (OSS) Sensor	X	X				X	X	X	X		
Transmission Fluid Temperature (TOT) Sensor	X	X	X	X	X	X	X	X	X		
Axle Seal All Wheel Drive								X	X		
Stator - Large Traction								X	X		
Bearing								X	X		
Gear/ Shaft Assembly								X	X		
Transfer Shim								X	X		
Hub-Ring Gear								X	X		
Transmission Range Sensor / Detent Assembly	X	X	X	X	X	X	X	X	X	X	
Transmission Solenoid - 5R110W	X	X	X	X	X	X	X	X	X		
Bearing								X	X		
Stator- Small Gen								X	X		
Magnet -debris collection								X	X		
Turbine/Input Shaft Speed (TSS) Sensor Assembly											
Gen Rotor Assembly with bearings and cup plug								X	X		
Rotor w/Brg								X	X		
Aux Pump								X	X		

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
Emotor Front Module											
Park System Module								X	X		
Transfer Shaft								X	X		
Internal Seal								X	X		
Transmission Control Module (TCM) Assembly											
Seal on end cover of rotors								X	X		
Active Grill Shutters											X
Thermostat Assembly											X
Valve Assembly - Htr Wtr Control (1)(4)								X	X		
Fuel Tank	X	X	X	X	X			X	X	X	X
Fuel Tank Filler Pipe			X	X	X						
Fuel Tank Sender and Outlet Tube Assembly								X	X		
Fuel Delivery Module O-Ring Gasket	X	X	X	X	X						
Fuel Tube											
High Pressure Fuel Pump	X	X	X	X	X	X	X	X	X		X
Intake Manifold							X			X	
Exhaust Manifold (Right Hand)										X	
Exhaust Manifold (Left Hand)										X	
Intake Manifold Gasket											
Intake Manifold Gasket LH						X					
Exhaust Manifold Gasket		X	X	X	X	X	X	X	X	X	X
Flat/Ring Exhaust Gasket	X		X	X	X	X				X	
Air Cleaner Assembly (ACL)											
Fuel Tank Shield			X	X	X	X	X	X	X		
Fuel Tank Sender	X	X	X	X	X						
Fuel Line Assembly Fuel Supply											
High Pressure Fuel Injector Pump											
Fuel Injector Tube Return Line											
Fuel Tank Shield	X	X	X	X	X	X	X	X	X		
Fuel Filler Kit											
Fuel Vapor Tube and Hose Assembly			X	X	X					X	
Fuel Tank Pressure Sensor	X	X	X	X	X			X	X		
Leak Detection Pump											
Fuel Pump Retaining Lock Ring	X	X	X	X	X			X	X		
Fuel Injection Fuel Supply Manifold Assembly		X	X	X	X		X			X	
Fuel Tube Return Line to Tank End	X	X	X	X	X			X	X		
Pump Electronic Module (PEM) Fuel Pump						X	X				
EGR Valve Assembly											
Carbon Canister and Bracket Assembly						X	X	X	X	X	
Rear Vapor Line Assembly Tank to Vapor Blocking Valve (VBV)											X
Fuel Injector Wiring Harness (4)											
Fuel Vapor Hose											

Part Description	1.5L Bronco Sport (3)	2.0L Bronco Sport (3)	2.3L Bronco (3)	2.7L Bronco (3)	3.0L Bronco	1.5L Escape (3)	2.0L Escape (3)	2.5L Plug-in Hybrid Escape	2.5L Hybrid Escape	3.5L Expedition (3)	2.3L Explorer (3)
Fuel Injector Assembly											
Air Intake Throttle Body											
Fuel Tube Assembly											
Universal Exhaust Gas Oxygen Sensor (UEGO)											
EGR Tube to Manifold Connector										X	
Fuel Injector		X	X	X	X					X	X
Fuel Injector Fuel Supply Manifold										X	
Fuel Injector Charge Assembly		X		X	X	X				X	
Injection Pressure Sensor											
Fuel Distrib											
Up-Pipe (RH) Single Wall											
Turbocharger		X	X				X				X
Turbocharger Actuator Kit	X	X	X	X	X	X	X			X	X
Low Pressure Fuel and Temperature Sensor				X							
Direct Fuel Injector		X	X	X	X					X	X
Fuel Delivery Module	X	X	X	X	X	X	X	X	X	X	X
Intake Manifold Connector											
Fuel Injector Kit											
Fuel Tube Supply			X	X	X	X	X	X	X	X	X
Fuel Supply Line Tank to Bundle	X	X	X	X	X						
Sensor to Rail Fuel Line	X	X								X	X
Fuel Pump to Fuel Rail Tube		X		X	X					X	
EGR Pressure Sensor				X	X						X
Tank Assembly (without straps)			X	X	X						
Turbocharger Control Solenoid											
Intake Manifold Lower											
Exhaust/Emission Control Wire Assembly (4)											
Holder and Nozzle Assembly Fuel Injector											
Fuel Tube Assembly											
Exhaust to Turbo Gasket	X					X				X	
Turbo Exhaust Adapter											
Compressor Bypass Valve			X	X	X					X	
EGR Outlet Temperature Sensor				X							X
EGR Cooler											

(1) For Plug-in Hybrid Vehicles Only

(2) For Service Engine Soon/Malfunction Indicator Lamp
(MIL) Functionality Concerns Only

(3) For EcoBoost Engine Only

(4) For MIL Illumination Only

(5) For Non-EcoBoost Engine Only

"COVERAGE FOR 2025 MODEL VEHICLES (GVWR OF 14,000 LBS. OR LESS) UNDER LONG TERM DEFECTS WARRANTY
APPLICABLE ONLY TO CALIFORNIA-CERTIFIED VEHICLES REGISTERED IN A STATE THAT HAS ADOPTED AND IS ENFORCING
CALIFORNIA EMISSION WARRANTY REGULATIONS
(Coverage for up to 7 years/70,000 miles, whichever first occurs)"

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
Instrument Cluster (2)	X	X	X	X	X	X	X	X	X	X	X
Active Grill Shutter Actuator	X										
Battery Energy Control Module		X				X				X	
On-Board Battery Charger (1)											
High Voltage Trancion Battery		X				X				X	
Battery Integrated Starter Generator		X				X					
CS Sensor Ring								X			
Powertrain Control Wiring Harness (4)				X	X	X	X	X	X	X	X
Ambient Air Temperature Sensor	X	X	X								
Sensor Coolant Temp	X			X	X	X	X	X			
Powertrain Control Module (PCM) / Engine Control Module	X	X	X	X	X	X	X	X	X	X	X
Knock Sensor (KS)	X			X							
Exhaust Gas Temperature Sensor Assembly	X										
Engine Control Sensor & Fuel Charge Wrng Assy (4)											
Wire Assembly - Engine Control and Sensors (4)				X	X	X		X	X	X	
Rear Lamp Connection Wire Harness (4)											
Dash Panel & Headlamp Junction Wiring (4)	X	X	X	X	X	X	X	X	X	X	X
Battery Harness (4)	X	X	X								X
Interior Wiring Assembly (4)	X	X	X	X	X	X	X	X			
Roof Wiring Harness (4)									X	X	
Main Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Rear Lamp Wiring Assembly (4)				X	X	X	X	X	X	X	
Fuel Sender Wiring Assembly (4)									X	X	
Fuel Tank Jumper Harness	X	X	X								
Fuse Assembly (4)	X	X	X								
Main Body Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X
HVEDS Charge Port Harness		X				X					
Main Jumper Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Molded Lead Frame Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	
Transmission Harness Connector (4)	X	X	X	X	X	X	X	X	X	X	X
Battery Harness/ Engine Wiring Assembly (4)					X	X					
DCDC Converter and Bracket Assembly		X				X				X	
Inductor											X
Gateway Module	X	X	X	X	X	X	X	X	X	X	X
ISC and Bracket Assembly		X				X				X	
Transmission Harness Connector				X	X	X	X	X			
Body Control Module (BCM)									X	X	
Valve Assembly - Htr Wtr Control (4)		X									
Pump Assembly Htr (1)(4)-CAC Pump								X			

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
EGHR-Exhaust Gas Heat Recovery						X				X	
A/C Compressor		X				X				X	
CONDENSER - A/C						X					
CONDENSER - A/C						X				X	
A/C Condenser		X				X				X	
Condenser to Evaporator Tube		X									
A/C Expansion Valve		X									
A/C Evaporator Assembly		X				X				X	
REFRIGERANT HOSE/ACCUM - A/C						X					
A/C Compressor to Condenser Tube						X					
Refrigerant Line-A/C		X				X					
REFRIGERANT - A/C		X									
A/C Accumulator Assembly		X								X	
Switch-A/C Pressure						X					
COMPRESSOR - A/C		X				X				X	
COMPRESSOR - A/C		X									
Core & SE Asy-A/C Evp		X								X	
Brake Vacuum Pump (1)											
ABS Module											
ABS Electronic Control Module (4)						X				X	X
Power Steering Wiring Assembly (4)				X	X	X	X	X			
Shims						X				X	
Bearing on the differential		X				X				X	
Bearing Race		X				X				X	
Bearing on the differential										X	
Underbody Catalyst and Cold End Assembly Active Exhaust Valve					X			X	X	X	X
Catalyst Inlet Pipe											
Active Exhaust Valve											
EGHR-Exhaust Gas Heat Recovery						X					
Top assembly Cold End Exhaust											
Exhaust to Turbo Gasket				X	X	X					
Catalytic Converter	X	X	X	X	X	X	X	X	X	X	X
Catalytic Converter	X	X	X								
Catalytic Converter				X	X	X	X	X			
Catalytic Converter and Pipe											
Exhaust Manifold & Catalyst Assembly										X	
Diesel Particulate Filter Assembly											
Catalyst and Particulate Filter Assembly											
DEF Tank											
Reductant Pump Assembly											
DEF Quality Sensor											
DEF Pressure Line											

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
DEF Tank											
NOX Module, NOX Sensor Assembly											
Reductant Heater and Sender Asy											
Cylinder head											
Piston											
Camshaft											
Camshaft Timing Assembly	X	X	X	X	X	X	X	X	X	X	X
Adjuster Assembly - Valve Lifter (4)	X	X	X	X	X	X	X	X	X	X	X
Exhaust Valve											
Intake Valve											
Valve Spring											
Arm Assembly - Valve Rocker (4)	X			X	X	X	X	X			X
Valve Rocker Cover Assembly (RH, LH)	X	X	X	X	X	X	X		X	X	
Oil Pump Assembly (4)	X	X	X	X	X	X	X	X		X	X
Crankshaft Position Sensor (CKP)					X	X					
Variable Camshaft Timing Assembly	X	X	X	X	X	X	X	X	X		X
Duct, Charge Air Cooler Hot									X		
Supercharger Assembly								X			
Charge Air Cool Tube Assembly Inlet	X								X		
Charge Air Cool Tube Assembly Outlet	X										
Turbocharger Control Valve (Supercharger Bypass Actuator)				X	X	X	X	X			
Cylinder Head Temperature Sensor	X			X							
Solenoid Assembly (4)							X				
Camcover Gasket	X	X	X	X	X	X	X		X	X	
Turbocharger	X			X	X	X			X		X
Charge Air Cooler	X			X	X	X		X	X	X	X
Catalytic Converter Gasket											
Engine Variable Camshaft Timing Solenoid	X	X	X		X	X	X	X	X	X	
Exhaust Manifold and Turbo to Up-Pipe Gaskets											
Downpipe											
Gasket for Turbo Oil Tube	X	X	X	X	X	X	X	X	X	X	
Transmission/ HPCM-Hybrid Powertrain Control Module (1)		X				X				X	
Transmission/Diff Assembly (4)	X		X	X	X	X	X	X			X
Damper housing - trans case half		X				X				X	
Bearing		X				X				X	
Input shaft seal in Damper Hsg		X				X				X	
ISC Final Assembly (ISC+bracket)						X					
Back cover						X				X	
Oil flow funnel										X	
Filter						X				X	
Transmission Control Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Transmission Auxiliary Oil Pump (1)											

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
Ring gear		X				X				X	
Park Pawl		X				X				X	
Planetary Gear Assembly		X				X				X	
Inverter System Controller (1) (4)		X				X				X	
Splash Cover/ Vent Plate										X	
Gasket ISC										X	
INDUCTOR BOLT -DOWEL PIN										X	
Transmission Harness Connector (4)											
Park sping						X				X	
Pawl Shaft						X				X	
Bearing										X	
Rod Park						X				X	
PRK ABUT BRKT-Park component						X				X	
Transmission Range Sensor Assembly											X
Gear										X	
Final Drive Ring Gear										X	
Ring & Diff Assembly						X				X	
Park Rod ABUT						X				X	
Transmission Torque Clutch Solenoid Assembly (4)									X	X	X
Transmission Internal MLF Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	
Ring -Snap ring										X	
Pressure Regulator Sensor				X	X	X	X	X	X	X	X
Transmission Solenoid Assembly									X	X	
Pressure Regulator Solenoid Assembly									X	X	
Gear - pump drive										X	
Output Shaft Speed (OSS) Sensor				X	X	X	X	X	X	X	
Transmission Fluid Temperature (TOT) Sensor									X	X	X
Axle Seal All Wheel Drive										X	
Stator - Large Traction						X				X	
Bearing						X				X	
Gear/ Shaft Assembly										X	
Transfer Shim										X	
Hub-Ring Gear										X	
Transmission Range Sensor / Detent Assembly		X	X	X	X	X	X	X	X	X	X
Transmission Solenoid - 5R110W									X	X	X
Bearing										X	
Stator- Small Gen										X	
Magnet -debris collection						X				X	
Turbine/Input Shaft Speed (TSS) Sensor Assembly				X	X	X	X	X			
Gen Rotor Assembly with bearings and cup plug										X	
Rotor w/Brg						X				X	
Aux Pump		X				X				X	

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
Emotor Front Module		X		X	X	X	X	X		X	
Park System Module										X	
Transfer Shaft										X	
Internal Seal										X	
Transmission Control Module (TCM) Assembly											
Seal on end cover of rotors										X	
Active Grill Shutters	X			X	X	X	X				X
Thermostat Assembly											
Valve Assembly - Htr Wtr Control (1)(4)											
Fuel Tank	X	X	X	X	X	X	X	X	X	X	X
Fuel Tank Filler Pipe				X	X	X	X	X			X
Fuel Tank Sender and Outlet Tube Assembly											
Fuel Delivery Module O-Ring Gasket											
Fuel Tube						X					
High Pressure Fuel Pump	X	X	X	X	X	X	X	X	X	X	
Intake Manifold	X	X	X	X	X	X					X
Exhaust Manifold (Right Hand)		X	X		X	X	X	X			
Exhaust Manifold (Left Hand)		X	X		X	X	X	X			X
Intake Manifold Gasket	X	X	X					X			
Intake Manifold Gasket LH	X										
Exhaust Manifold Gasket	X	X	X	X	X	X	X	X	X	X	
Flat/Ring Exhaust Gasket					X	X				X	
Air Cleaner Assembly (ACL)				X	X	X	X	X		X	
Fuel Tank Shield		X	X	X	X	X	X	X			X
Fuel Tank Sender											
Fuel Line Assembly Fuel Supply											
High Pressure Fuel Injector Pump											
Fuel Injector Tube Return Line											
Fuel Tank Shield									X	X	
Fuel Filler Kit											
Fuel Vapor Tube and Hose Assembly											
Fuel Tank Pressure Sensor				X	X	X	X	X			
Leak Detection Pump		X				X				X	
Fuel Pump Retaining Lock Ring											
Fuel Injection Fuel Supply Manifold Assembly	X	X	X	X	X	X	X	X	X	X	X
Fuel Tube Return Line to Tank End											
Pump Electronic Module (PEM) Fuel Pump											
EGR Valve Assembly											
Carbon Canister and Bracket Assembly				X	X	X	X	X			
Rear Vapor Line Assembly Tank to Vapor Blocking Valve (VBV)	X	X	X								
Fuel Injector Wiring Harness (4)							X				
Fuel Vapor Hose											X

Part Description	3.0L Explorer (3)	3.3L Hybrid Explorer	3.3L Explorer	2.7L F-150 (3)	3.5L F-150 (3)	3.5L Hybrid F-150	5.0L F-150	5.2L F-150	2.0L Maverick (3)	2.5L Hybrid Maverick	2.3L Mustang (3)
Fuel Injector Assembly											
Air Intake Throttle Body				X	X	X	X	X			X
Fuel Tube Assembly				X	X	X	X	X			
Universal Exhaust Gas Oxygen Sensor (UEGO)	X										
EGR Tube to Manifold Connector		X	X		X	X					
Fuel Injector	X	X	X	X	X	X	X	X	X	X	
Fuel Injector Fuel Supply Manifold		X	X		X	X	X				
Fuel Injector Charge Assembly	X	X	X	X	X	X	X		X		
Injection Pressure Sensor	X	X	X	X	X	X					
Fuel Distrib											
Up-Pipe (RH) Single Wall											
Turbocharger									X		X
Turbocharger Actuator Kit				X	X	X			X		X
Low Pressure Fuel and Temperature Sensor				X							
Direct Fuel Injector	X		X	X	X		X		X		
Fuel Delivery Module	X	X	X	X	X	X	X	X	X	X	X
Intake Manifold Connector		X	X								
Fuel Injector Kit											
Fuel Tube Supply	X	X	X	X	X	X	X	X		X	X
Fuel Supply Line Tank to Bundle	X	X		X	X	X	X	X	X	X	X
Sensor to Rail Fuel Line	X		X	X	X	X	X	X	X		
Fuel Pump to Fuel Rail Tube	X	X	X	X	X	X	X		X		
EGR Pressure Sensor	X			X	X	X	X	X			
Tank Assembly (without straps)				X	X	X	X	X			X
Turbocharger Control Solenoid											
Intake Manifold Lower		X	X								
Exhaust/Emission Control Wire Assembly (4)											
Holder and Nozzle Assembly Fuel Injector											
Fuel Tube Assembly											
Exhaust to Turbo Gasket					X	X					
Turbo Exhaust Adapter											
Compressor Bypass Valve											
EGR Outlet Temperature Sensor				X							
EGR Cooler											

(1) For Plug-in Hybrid Vehicles Only

(2) For Service Engine Soon/Malfunction Indicator Lamp (MIL)
Functionality Concerns Only

(3) For EcoBoost Engine Only

(4) For MIL Illumination Only

(5) For Non-EcoBoost Engine Only

"COVERAGE FOR 2025 MODEL VEHICLES (GVWR OF 14,000 LBS. OR LESS) UNDER LONG TERM DEFECTS WARRANTY
 APPLICABLE ONLY TO CALIFORNIA-CERTIFIED VEHICLES REGISTERED IN A STATE THAT HAS ADOPTED AND IS ENFORCING
 CALIFORNIA EMISSION WARRANTY REGULATIONS
 (Coverage for up to 7 years/70,000 miles, whichever first occurs)"

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
Instrument Cluster (2)	X	X	X	X	X			X	X	X	X
Active Grill Shutter Actuator											
Battery Energy Control Module											
On-Board Battery Charger (1)											
High Voltage Trancion Battery											
Battery Integrated Starter Generator											
CS Sensor Ring						X	X				
Powertrain Control Wiring Harness (4)	X	X	X	X	X			X			X
Ambient Air Temperature Sensor											
Sensor Coolant Temp				X	X						
Powertrain Control Module (PCM) / Engine Control Module	X	X	X	X	X	X	X	X	X	X	X
Knock Sensor (KS)				X	X						
Exhaust Gas Temperature Sensor Assembly											
Engine Control Sensor & Fuel Charge Wrng Assy (4)								X			
Wire Assembly - Engine Control and Sensors (4)			X	X							X
Rear Lamp Connection Wire Harness (4)											
Dash Panel & Headlamp Junction Wiring (4)	X	X	X	X	X	X	X				
Battery Harness (4)	X	X				X	X				
Interior Wiring Assembly (4)			X	X	X	X	X	X	X	X	
Roof Wiring Harness (4)						X	X	X	X	X	
Main Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Rear Lamp Wiring Assembly (4)			X	X	X			X	X	X	
Fuel Sender Wiring Assembly (4)						X	X	X	X	X	X
Fuel Tank Jumper Harness								X	X	X	
Fuse Assembly (4)											
Main Body Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X
HVEDS Charge Port Harness											
Main Jumper Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Molded Lead Frame Wiring Harness (4)			X	X	X	X	X		X		
Transmission Harness Connector (4)	X	X	X	X	X			X	X	X	
Battery Harness/ Engine Wiring Assembly (4)											
DCDC Converter and Bracket Assembly											
Inductor											
Gateway Module	X	X	X	X	X	X	X	X	X	X	X
ISC and Bracket Assembly											
Transmission Harness Connector											
Body Control Module (BCM)						X	X				
Valve Assembly - Htr Wtr Control (4)											
Pump Assembly Htr (1)(4)-CAC Pump		X									

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
EGHR-Exhaust Gas Heat Recovery											
A/C Compressor											
CONDENSER - A/C											
CONDENSER - A/C											
A/C Condenser											
Condenser to Evaporator Tube											
A/C Expansion Valve											
A/C Evaporator Assembly											
REFRIGERANT HOSE/ACCUM - A/C											
A/C Compressor to Condenser Tube											
Refrigerant Line-A/C											
REFRIGERANT - A/C											
A/C Accumulator Assembly											
Switch-A/C Pressure											
COMPRESSOR - A/C											
COMPRESSOR - A/C											
Core & SE Asy-A/C Evp											
Brake Vacuum Pump (1)								X			
ABS Module											
ABS Electronic Control Module (4)	X										
Power Steering Wiring Assembly (4)						X	X	X	X	X	
Shims											
Bearing on the differential											
Bearing Race											
Bearing on the differential											
Underbody Catalyst and Cold End Assembly Active Exhaust Valve	X										
Catalyst Inlet Pipe										X	X
Active Exhaust Valve					X						
EGHR-Exhaust Gas Heat Recovery											
Top assembly Cold End Exhaust					X						
Exhaust to Turbo Gasket				X	X						
Catalytic Converter	X	X	X	X	X	X	X	X	X	X	X
Catalytic Converter											
Catalytic Converter				X	X	X	X				
Catalytic Converter and Pipe						X	X	X	X	X	
Exhaust Manifold & Catalyst Assembly	X										
Diesel Particulate Filter Assembly								X			
Catalyst and Particulate Filter Assembly								X			
DEF Tank								X			
Reductant Pump Assembly								X			
DEF Quality Sensor								X			
DEF Pressure Line								X			

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
DEF Tank								X			
NOX Module, NOX Sensor Assembly								X			
Reductant Heater and Sender Asy								X			
Cylinder head								X			
Piston								X			
Camshaft								X			
Camshaft Timing Assembly	X	X	X	X	X	X	X	X	X	X	X
Adjuster Assembly - Valve Lifter (4)	X	X	X	X	X	X	X	X	X	X	X
Exhaust Valve								X			
Intake Valve								X			
Valve Spring								X			
Arm Assembly - Valve Rocker (4)	X	X	X	X	X			X	X	X	X
Valve Rocker Cover Assembly (RH, LH)	X	X	X	X	X	X	X	X			X
Oil Pump Assembly (4)	X	X		X	X	X	X	X	X	X	X
Crankshaft Position Sensor (CKP)						X	X				
Variable Camshaft Timing Assembly	X	X	X	X	X	X	X				
Duct, Charge Air Cooler Hot											
Supercharger Assembly		X									
Charge Air Cool Tube Assembly Inlet				X	X						
Charge Air Cool Tube Assembly Outlet											
Turbocharger Control Valve (Supercharger Bypass Actuator)								X			
Cylinder Head Temperature Sensor				X	X						
Solenoid Assembly (4)											
Camcover Gasket	X		X	X	X			X	X	X	X
Turbocharger			X	X	X		X	X			
Charge Air Cooler		X					X	X			
Catalytic Converter Gasket								X			
Engine Variable Camshaft Timing Solenoid	X	X	X			X	X		X	X	X
Exhaust Manifold and Turbo to Up-Pipe Gaskets								X			
Downpipe								X			
Gasket for Turbo Oil Tube			X			X	X	X	X	X	X
Transmission/ HPCM-Hybrid Powertrain Control Module (1)											
Transmission/Diff Assembly (4)	X	X									
Damper housing - trans case half											
Bearing											
Input shaft seal in Damper Hsg											
ISC Final Assembly (ISC+bracket)											
Back cover											
Oil flow funnel											
Filter											
Transmission Control Assembly (4)	X	X	X	X	X	X	X	X	X	X	X
Transmission Auxiliary Oil Pump (1)											

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
Ring gear											
Park Pawl											
Planetary Gear Assembly											
Inverter System Controller (1) (4)											
Splash Cover/ Vent Plate											
Gasket ISC											
INDUCTOR BOLT -DOWEL PIN											
Transmission Harness Connector (4)	X	X		X	X			X	X	X	
Park sping											
Pawl Shaft											
Bearing											
Rod Park											
PRK ABUT BRKT-Park component											
Transmission Range Sensor Assembly	X	X									
Gear											
Final Drive Ring Gear											
Ring & Diff Assembly											
Park Rod ABUT											
Transmission Torque Clutch Solenoid Assembly (4)	X	X				X	X	X	X	X	
Transmission Internal MLF Wiring Harness (4)						X	X	X	X	X	X
Ring -Snap ring											
Pressure Regulator Sensor	X	X				X	X	X	X	X	
Transmission Solenoid Assembly											
Pressure Regulator Solenoid Assembly						X	X				
Gear - pump drive											
Output Shaft Speed (OSS) Sensor						X	X		X		
Transmission Fluid Temperature (TOT) Sensor	X	X				X	X	X	X	X	
Axle Seal All Wheel Drive											
Stator - Large Traction											
Bearing											
Gear/ Shaft Assembly											
Transfer Shim											
Hub-Ring Gear											
Transmission Range Sensor / Detent Assembly	X		X	X	X	X	X	X	X	X	
Transmission Solenoid - 5R110W	X	X				X	X	X	X	X	
Bearing											
Stator- Small Gen											
Magnet -debris collection											
Turbine/Input Shaft Speed (TSS) Sensor Assembly						X	X		X		
Gen Rotor Assembly with bearings and cup plug											
Rotor w/Brg											
Aux Pump											

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
Emotor Front Module											
Park System Module											
Transfer Shaft											
Internal Seal											
Transmission Control Module (TCM) Assembly											
Seal on end cover of rotors											
Active Grill Shutters	X										
Thermostat Assembly											
Valve Assembly - Htr Wtr Control (1)(4)											
Fuel Tank	X	X	X	X	X	X	X		X	X	X
Fuel Tank Filler Pipe	X	X	X	X	X						
Fuel Tank Sender and Outlet Tube Assembly											
Fuel Delivery Module O-Ring Gasket											
Fuel Tube		X			X						
High Pressure Fuel Pump			X	X	X	X	X		X	X	X
Intake Manifold	X	X		X		X	X		X	X	X
Exhaust Manifold (Right Hand)	X	X				X	X	X	X	X	X
Exhaust Manifold (Left Hand)	X	X				X	X	X	X	X	X
Intake Manifold Gasket											X
Intake Manifold Gasket LH											
Exhaust Manifold Gasket	X	X	X	X	X	X	X	X			
Flat/Ring Exhaust Gasket				X	X	X	X				
Air Cleaner Assembly (ACL)											
Fuel Tank Shield	X	X							X	X	
Fuel Tank Sender									X	X	
Fuel Line Assembly Fuel Supply									X	X	
High Pressure Fuel Injector Pump								X			
Fuel Injector Tube Return Line								X			
Fuel Tank Shield									X	X	
Fuel Filler Kit									X	X	
Fuel Vapor Tube and Hose Assembly											
Fuel Tank Pressure Sensor									X	X	X
Leak Detection Pump								X	X	X	
Fuel Pump Retaining Lock Ring											
Fuel Injection Fuel Supply Manifold Assembly	X	X	X	X	X	X	X	X			
Fuel Tube Return Line to Tank End									X	X	
Pump Electronic Module (PEM) Fuel Pump											
EGR Valve Assembly								X			
Carbon Canister and Bracket Assembly			X	X	X	X	X		X	X	X
Rear Vapor Line Assembly Tank to Vapor Blocking Valve (VBV)											
Fuel Injector Wiring Harness (4)	X										
Fuel Vapor Hose	X	X									

Part Description	5.0L Mustang	5.2L Mustang	2.3L Ranger (3)	2.7L Ranger (3)	3.0L Ranger (3)	3.5L Transit	3.5L Transit (3)	6.7L Diesel Super Duty	6.8L Super Duty	7.3L Super Duty	7.3L Econoline
Fuel Injector Assembly								X			
Air Intake Throttle Body	X	X									
Fuel Tube Assembly											
Universal Exhaust Gas Oxygen Sensor (UEGO)											
EGR Tube to Manifold Connector						X					
Fuel Injector	X	X	X	X	X	X	X	X			
Fuel Injector Fuel Supply Manifold	X	X				X					
Fuel Injector Charge Assembly	X			X		X	X				
Injection Pressure Sensor				X							
Fuel Distrib											X
Up-Pipe (RH) Single Wall								X			
Turbocharger			X					X			
Turbocharger Actuator Kit			X		X			X			
Low Pressure Fuel and Temperature Sensor				X		X					
Direct Fuel Injector	X		X	X	X	X					
Fuel Delivery Module	X	X	X	X	X	X	X		X	X	X
Intake Manifold Connector											
Fuel Injector Kit								X			
Fuel Tube Supply	X	X	X	X	X	X	X		X	X	X
Fuel Supply Line Tank to Bundle	X	X	X	X	X	X	X		X	X	
Sensor to Rail Fuel Line											
Fuel Pump to Fuel Rail Tube	X		X	X	X	X	X				
EGR Pressure Sensor				X	X						
Tank Assembly (without straps)	X	X	X	X	X						X
Turbocharger Control Solenoid							X				
Intake Manifold Lower						X	X				
Exhaust/Emission Control Wire Assembly (4)						X	X				
Holder and Nozzle Assembly Fuel Injector								X	X	X	
Fuel Tube Assembly											X
Exhaust to Turbo Gasket							X				
Turbo Exhaust Adapter							X				
Compressor Bypass Valve											
EGR Outlet Temperature Sensor				X							
EGR Cooler								X			

(1) For Plug-in Hybrid Vehicles Only

(2) For Service Engine Soon/Malfunction Indicator Lamp
(MIL) Functionality Concerns Only

(3) For EcoBoost Engine Only

(4) For MIL Illumination Only

(5) For Non-EcoBoost Engine Only

Important Information about List of Parts

There may be additional coverage for these parts through the Bumper to Bumper, Powertrain, or Diesel Engine limited warranties. In any case, the warranty with the broadest coverage applies.

Ford will cover damages to other vehicle components proximately caused by a failure under warranty of any warranted part.

Also covered by this warranty are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non diesel fuel lines, and wiring harnesses that are used with components on the list of parts above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until the first required replacement time that is specified in your **Owner's Manual**.

NOTE: If the diagnosis does not reveal a defect, the Defects Warranty does not apply.

Your Ford Motor Company dealer maintains a complete list of covered parts. For more details about the specific parts that are covered by the Defects Warranty, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage due to abuse, neglect, improper maintenance, or unapproved modifications.

7. Additional information about your emissions warranty coverage, under Federal and California requirements

HOW DO I GET WARRANTY SERVICE?

To get service under your emissions warranties, take your vehicle to any Ford Motor Company dealer as soon as possible after illumination of the Malfunction Indicator Light or it has failed an EPA-approved test or a California Smog Check inspection. Be sure to show the dealer the document that says your vehicle has failed the test.

Your dealer will determine whether the repair is covered by the warranty. If the dealer has a question about Emissions Performance Warranty coverage, it will forward the question to Ford Motor Company, which must make a final decision within 30 days after you bring your vehicle in for repair. (The decision will be made within a shorter time if state, local, or federal law requires you to have the vehicle repaired more quickly in order to avoid additional penalties.) The deadline for a determination about Emissions Performance Warranty Coverage does not need to be met if you request a delay, agree to a delay in writing, or if the delay is caused by an event for which neither Ford nor your dealer is responsible. If a question about Emissions Performance Warranty coverage is referred to Ford Motor Company, you will be notified by Ford Motor Company in writing if your claim for warranty coverage is denied. The notice will explain the basis for denying your claim. If you fail to receive this notice within a timely manner, as determined above, Ford will perform the warranty repair for you free of charge.

HOW DO I HANDLE EMERGENCY REPAIRS?

If your vehicle needs an emergency warrantable repair and a Ford Motor Company dealer is not available, or if a Ford Motor Company dealer cannot perform warrantable repair(s) within 30 days of you bringing your vehicle to the dealer, repairs may be performed at any service establishment or by you using Ford equivalent replacement parts.

Ford will reimburse you for the cost of these warranty repairs including diagnosis, if you take the part(s) that are replaced and the repair receipt(s) to a Ford Motor Company dealer. The reimbursement shall not exceed Ford's suggested retail price for the warranted parts that are replaced and labor charges based on Ford's recommended time allowance for the warranty repair and the geographically appropriate hourly rate.

WHAT REPLACEMENT PARTS SHOULD I USE?

Ford Motor Company recommends that you use genuine Ford replacement parts. However, when you are having non-warranty work done on your vehicle, you may choose to use non-Ford parts. If you decide to use non-Ford parts, be sure they are equivalent to Ford parts in performance, quality, and durability. If you use replacement parts that are not equivalent to Ford parts, your vehicle's emissions control systems may not work as effectively, and you may jeopardize your emissions warranty coverage.

Under the Federal and California emissions warranties, Ford will repair or replace covered parts if they are properly installed Ford parts or the equivalent, or non-Ford parts that have been certified by the U.S. EPA or the California Air Resources Board (CARB). Ford is not responsible for the cost of repairing or replacing non-Ford parts that are not equivalent to Ford parts or that have not been certified by EPA or CARB.

The maintenance, replacement, or repair of emissions control devices or systems can be performed by any automotive repair establishment or individual using Ford replacement parts or the equivalent, or EPA- or CARB-certified parts, without voiding your emissions warranty coverage for future repairs during the applicable warranty period.

PROPER MAINTENANCE PRESERVES YOUR WARRANTY

If you do not maintain your vehicle properly, Ford may have the right to deny you warranty coverage.

To have repairs made under this warranty, you may have to show that you have followed Ford's instructions on properly maintaining and using your vehicle. You will find these instructions in your **Owner's Manual**. Be sure to save your service receipts and to keep accurate records of all maintenance work.

CUSTOMER ASSISTANCE

If you are not satisfied with the handling of a warranty matter, see **Customer Assistance**, on the inside front cover, and **Better Business Bureau (BBB) AUTO LINE** program, page 65.

8. Noise emissions warranty

NOISE EMISSIONS WARRANTY FOR CERTAIN LIGHT TRUCKS

Ford Motor Company warrants to the first person who purchases this vehicle for purposes other than resale and to each subsequent purchaser that this vehicle as manufactured by Ford, was designed, built and equipped to conform at the time it left Ford's control with all applicable U.S. EPA Noise Control Regulations.

This warranty covers this vehicle as designed, built and equipped by Ford Motor Company, and is not limited to any particular part, component or system of the vehicle as manufactured by Ford. Defects in design, assembly or in any part, component or system of the vehicle as manufactured by Ford, which, at the time it left Ford's control, caused noise emissions to exceed Federal standards, are covered by this warranty for the life of the vehicle.

THE NOISE EMISSIONS WARRANTY OBLIGATIONS DO NOT APPLY TO:

- loss of time, inconvenience, loss of use of the vehicle, commercial loss or other consequential damages.
- any vehicle which is not covered by the U.S. EPA Medium and Heavy Trucks Noise Emission Standards (40 C.F.R. Part 205, Subpart B). Among the non-covered vehicles are those lacking a partially or fully enclosed operator's compartment, such as a basic stripped chassis, those having a Gross Vehicle Weight Rating of 10,000 pounds or less, and those sold outside the United States and its territories. To the extent permitted by law, THIS WARRANTY IS EXPRESSLY INSTEAD of any express or implied warranty, condition, or guarantee, agreement, or representation, by any person with respect to conformity of this vehicle with the U.S. EPA Noise Control Regulations, including ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.

9. Ford Protect Extended Service Plan

MORE PROTECTION FOR YOUR VEHICLE

You can get more protection for your new car or light truck by purchasing a Ford Protect. Ford Protect service contracts are backed by Ford Motor Company or Ford Motor Service Company. Ford Protect plans provide up to 8 years and 150,000 miles of coverage.

They provide:

- benefits during the warranty period, depending on the plan you purchase can be: reimbursement for a rental vehicle, protecting against tire and wheel road hazard damage, coverage for certain maintenance and wear items, lost key replacement, other plans are available;
- protection against covered repair costs and continuing Roadside Service Assistance benefits after your Bumper to Bumper Warranty expires.

You may purchase Ford Protect from any Ford Motor Company dealer or see our website at fordprotect.ford.com. There are several Ford Protect plans available in various time, distance and deductible combinations. Each plan is tailored to fit your own driving and vehicle ownership needs, including reimbursement for towing and rental.

When you purchase Ford Protect, you receive peace-of-mind protection throughout the United States, Canada and Mexico, provided by a network of more than 3,200 Ford Motor Company dealers.

NOTE: Repairs performed outside the United States, Canada, Mexico, Guam or Puerto Rico, Virgin Islands, American Samoa and District of Columbia are not eligible for Ford Protect coverage.

This information is subject to change. Ask your dealer for complete details about Ford Protect coverage.

10. The Better Business Bureau (BBB) AUTO LINE Program (U.S. Only)

Your satisfaction is important to Ford Motor Company and your dealer. If you are not satisfied with the resolution of a warranty concern, we recommend you follow the three-step resolution procedure outlined in this Warranty Guide. You may also be eligible to participate in the BBB AUTO LINE program whether or not you follow this three-step procedure.

The BBB AUTO LINE program consists of two parts — mediation and arbitration. During mediation, a representative of the BBB will contact both you and Ford Motor Company to explore options for settlement of the claim. If an agreement is not reached during mediation and your claim is eligible, you may participate in the arbitration process. An arbitration hearing will be scheduled so that you can present your case in an informal setting before an impartial person. The arbitrator will consider the testimony provided and make a decision after the hearing.

You are not bound by the decision, but should you choose to accept the BBB AUTO LINE decision, Ford must abide by the accepted decision as well. Disputes submitted to the BBB AUTO LINE program are usually decided within forty days after you file your claim with the BBB.

BBB AUTO LINE Application: Using the information provided below, please call or write to request a program application. You will be asked for your name and address, general information about your new vehicle, information about your warranty concerns, and any steps you have already taken to try to resolve them. A Customer Claim Form will be mailed that will need to be completed, signed, and returned to the BBB along with proof of ownership. Upon request, the BBB will review the claim for eligibility under the Program Summary Guidelines.

You can get more information by calling BBB AUTO LINE at 1-800-955-5100, or writing to:

BBB AUTO LINE
1676 International Drive, Suite 550
McLean, VA 22102

BBB AUTO LINE applications can also be requested by calling the Ford Motor Company Customer Relationship Center at 1-800-392-3673.

NOTE: Ford Motor Company reserves the right to change eligibility limitations, modify procedures, or to discontinue this process at any time without notice and without obligation.

11. State warranty enforcement laws

These state laws - sometimes called “lemon laws” - allow owners to receive a replacement vehicle or a refund of the purchase price, under certain circumstances. The laws vary from state to state.

To the extent your state law allows, Ford Motor Company requires that you first send us a written notification of any defects or non-conformities that you have experienced with your vehicle. (This will give us the opportunity to make any needed repairs before you pursue the remedies provided by your state's law.)

In all other states where not specifically required by state law, Ford Motor Company requests that you give us the written notice. Send your written notification to:

**Ford Motor Company
Customer Relationship Center
P.O. Box 6248
Dearborn, MI 48126**

12. Important information about ambulance conversions

Ford vehicles are suitable for producing ambulances only if equipped with the **Ford Ambulance Prep Package**. In addition, Ford urges ambulance manufacturers to follow the recommendations of the Ford Incomplete Vehicle Manual and the Ford Truck Body Builders Layout Book (and pertinent supplements).

Using a Ford vehicle without the **Ford Ambulance Prep Package** to produce an ambulance could result in elevated underbody temperatures, fuel over pressurization, and the risk of fuel expulsion and fires. Such use also voids the Ford Bumper to Bumper Warranty and may void the Emissions Warranties.

You may determine whether the vehicle is equipped with the **Ford Ambulance Prep Package** by inspecting the information plate on the driver's rear door pillar.

You may determine whether the ambulance manufacturer has followed Ford's recommendations by contacting the ambulance manufacturer of your vehicle.

Limited Warranty

IVS, Inc. dba AngelTrax, warrants its product to be free from manufacturer's defects in material and workmanship under normal use and service for the designated warranty period, as listed below, from the date of purchase. "Normal use" means the product was used for intended purposes, maintained properly and protected from deliberate damage. The following products are covered by the limited warranty for the following periods of time:

- **Five (5) years from date of purchase parts and labor on the Vulcan Series VX4AI™, V5SD™, V5™, V5X3™, VX5AI™, V6X3™, VX7AI™, V862HC™, V8X3™, V12™, V16-35™ and V24™ MDVRs**
- **Five (5) years from date of purchase parts and labor on the Vulcan Series Hybrid Component V1284HC MDVR™, V8HCNVR™, V12HCNVR™, V1202HC MNVR™, V16HCNVR™ and V20HC MNVR™**
- **Five (5) years from date of purchase parts and labor on the Vulcan Series V32™ Commercial NVR**
- **Five (5) years from date of purchase parts and labor on the Hybrid Component Series Hybrid Quest™, Hybrid Quest Edge™, Hybrid Quest Edge Plus™ and Hybrid Vault™ MDVRs**
- **Five (5) years from date of purchase parts and labor on the HDX Hybrid™ MDVR**
- **Three (3) years from date of purchase parts and labor on the HDX™ and SDX™ MDVRs**
- **Three (3) years from date of purchase parts and labor on the CoPilot™, CoPilot-WA™ and CoPilot-RFID™ MDVRs**
- **Five (5) years from date of purchase full replacement on all solid-state hard drives**
- **Five (5) years from date of purchase parts and labor on all SD cards**
- **Three (3) years from date of purchase parts and labor on 3.5-inch SATA hard drives with storage capacities of 1TB through 8TB**
- **Five (5) years from date of purchase parts and labor on 3.5-inch SATA hard drives with storage capacities of 10TB and more**
- **Three (3) years from date of purchase parts and labor on all 2.5-inch SATA hard drives**
- **Three (3) years from date of purchase parts and labor on the Vulcan Series IP and HD Cameras**
- **Three (3) years from date of purchase parts and labor on the HD Quality Lens Cameras**
- **Three (3) years from date of purchase parts and labor on the WM Series and Student Transit PeriOptic Lens Cameras**
- **Three (3) years from date of purchase parts and labor on the CoPilot™ Camera**
- **Three (3) years from date of purchase parts and labor on the Virtual Synchronized Mapping™ internal and external units**
- **Three (3) years from date of purchase parts and labor on the GDA-7012 Kit and GDA-7012 Monitor**
- **Three (3) years from date of purchase parts and labor on the WLAN and AP Router**
- **One (1) year from date of purchase parts and labor on the MON7AT installation monitor, all wireless access points (WAPs) and all accessories not listed above**

This warranty gives the user specific rights, and those rights may vary from state to state. The terms and conditions of said warranty are as follows:

1. When the product is installed by, or purchased from an authorized AngelTrax dealer, IVS, Inc. will either repair, or replace at no charge to the original purchaser, any product that IVS, Inc. determines to be defective and under the warranty provided. The defect(s) must be reported within five (5) years from the date of purchase. This warranty is valid only with the original purchaser, and is non-transferable. The warranty does not cover removal or reinstallation of the product(s).
2. The date of purchase and proof of an authorized AngelTrax dealer installation must be established by the original sales receipt, which should accompany the product(s) that are returned for warranty services.
3. The warranty shall not apply to any product that has been altered in any way, or used for any unintended purpose.
4. IVS, Inc. does not authorize any other person to assume liability in connection with its products. This warranty is the only expressed warranty made by IVS, Inc. to its products. Any implied warranty of merchantability or fitness for a particular purpose applicable to IVS, Inc. products, is limited to the duration of this limited warranty. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitation on how long an implied warranty lasts. Therefore, the above limitations may not apply.
5. If in the unlikely event warranty service becomes necessary, contact us directly and request a Return Merchandise Authorization (RMA) from the technical service department. Please call 1-800-673-1788 and ask for the technical service department to obtain a return merchandise authorization (RMA) number. Be sure to have the model number, serial number and the nature of the problem available for the technical service representative. Upon verification of a defect, IVS, Inc. will send a new or refurbished replacement unit via express shipping at no cost to the customer. The customer will receive a copy of the RMA and a Call Tag with their replacement unit. Once the customer has received the replacement unit, they have 30 days to ship the defective product back to IVS, Inc. or the customer will be charged for the replacement product. Once the unit is exchanged, the returned product shall become the property of IVS, Inc. The Call Tag included with the replacement unit allows the customer to ship the defective product back to IVS, Inc. at no cost.
6. Products must be returned to the factory in their original carton, or equivalent, and in original packaging conditions. Items shipped to IVS, Inc. without a clearly identified RMA number on the exterior of the packaging may be refused. If the product is received with the serial number removed or defaced, the warranty is void. The product will not be repaired under warranty and returned to the owner freight collect.

Send product to:
IVS, Inc. (AngelTrax)
Warranty Service Department
119 South Woodburn Drive
Dothan, Alabama 36305

Vulcan™ Series V1284HC Mobile DVR

12-CHANNEL MDVR

DIMENSIONS

- Height: 5.0 inches
- Width: 7.72 inches
- Depth: 12.60 inches
- Weight: 6.61 pounds

TWELVE (12) A/V INPUTS

- (8) HD channels 1080P + (4) IP channels up to 1080P

VIDEO OUTPUTS

- 2 channels

AUDIO OUTPUTS

- 2 channels, CVBS and VGA

CAMERA COMPATIBILITY

- (8) HD channels up to 1080P + (4) IP channels up to 1080P

STORAGE MEDIA

RECORDING MEDIUM

- Supports 3.5" hard disk up to 14TB and one (1) SD card slot

CAPACITY

- Up to 14TB

RECORDING OPTIONS

- SD card slot for redundant recording

INTERFACE

CAMERA CONNECTION

- (4) RJ45 IP camera connections
- (8) 4 Pin HD camera connections

NETWORK DATA CONNECTION

- Ethernet: RJ45 x 1 (10/100 M/1000M)
- IPC Ethernet: RJ45 (4x10/100M, PON Power Supply)

EXPANSION

- RS232 x 1, RS485 (for RFID and iPanel) CAN x 2

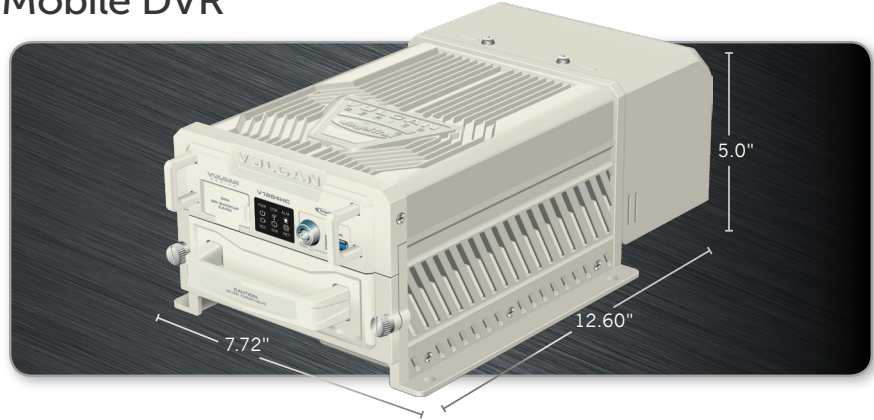
GPS INTERFACE

- Built-in, compatible with optional passive or active GPS antenna

DRIVER ACTION DETECTION

PANIC BUTTON

- The remote status indicator (panic button) can be connected to show MDVR power/record status without using a video monitor
- The driver-operated panic button has the following functions:
 - Solid green LED indicates that the unit has power and is recording
 - Event marker (panic button)



DRIVER ACTION DETECTION WIRES

- 8 signal wires individually programmable to indicate alarm or event

COMPRESSION FORMAT

- Video: H.264/H.265
- Audio: ADPCM, G.711U

RECORD RESOLUTION

DIGITAL

- Parallax View™ (horizontal resolution exceeds cinema 4K), 4MP (4192X1360), 1080P (1920X1080), 720P (1280X720) @30FPS

NTSC

- 1080P, 720P, WD1(928X480), WHD1(928X240), WCIF(464X240), D1(704x480), HD1(704x240), CIF(352x240)
- 8x720P@30FPS (HD) + 4x1080P@30FPS (IP) OR 8x1080P@10FPS (HD) + 4x1080P@30FPS (IP)

RECORDING OPTIONS

- **Continuous record:** System will record all channels continuously while vehicle is running (factory setting).
- **Alarm record:** System will record when an alarm is triggered.
- **Motion record:** System will record when the cameras detect motion while vehicle is running.
- **Schedule record:** System will boot and record according to user-selectable schedule.

ELECTRICAL & OPERATING REQUIREMENTS

AUTO ON/OFF DETECTION

- ACC detection

DELAY OFF SETTING

- User selectable up to 24 hours

OPERATING TEMPERATURE

- -40°F (-40°C) ~ 158°F (70°C) with heater or 14°F (-10°C) ~ 158°F (70°C)

OPERATING HUMIDITY

- 15% - 95%

BUILT-IN G-FORCE SENSOR

BUILT-IN WI-FI MODULE

BUILT-IN POWER PROTECTION

BUILT-IN GPS MODULE (REQUIRES ANTENNA)

POWER SUPPLY

INPUT RANGE

- DC 9-36V, ACC

OUTPUT CURRENT

- 5V@500mA, 12V@500mA

POWER CONSUMPTION

- Standby: ~0W
- Maximum: 100W
- Maximum (with heater): 125W

LOW VOLTAGE PROTECTION

- User selectable and programmed at installation

HYBRID COMPONENT™ TECHNOLOGY

Modular design for on-site service, maintenance and upgrades in minutes

HOUSING/CASING

- Removable, shock-mounted
- Vandal-resistant locking hard drive
- Shock-resistant: MIL-STD-810F
- Aluminum
- 2 built-in fans for temperature regulation

OPTIONAL AI FEATURES

OPTIONAL COMPONENTS

VIRTUAL SYNCHRONIZED MAPPING™

GPS ANTENNA (ACTIVE OR PASSIVE)

CELLULAR MODEM (COMPATIBLE WITH SI6GM)

Specifications, features and applications of use are subject to change without notice. ▼ 07/2023 D

NCL1000-2 Century Series™

Commercial Wheelchair Lifts



1,000 lb
Lifting Capacity

Larger Platform
Now Available in 37" Width

 **BraunAbility**
Life is a Moving Experience®

NCL1000-2 Century Series™

NCL1000IB3351-2 (33" wide x 51" long platform)

NCL1000IB3451-2 (34" wide x 51" long platform)

NCL1000IB3451HB-2 (34" wide x 51" long platform - with handrail belt)

NCL1000IB3454-2 (34" wide x 54" long platform)

NCL1000IB3454HB-2 (34" wide x 54" long platform - with handrail belt)

NCL1000IB3751HB-2 (37" wide x 51" long platform - with handrail belt)

NCL1000IB3754HB-2 (37" wide x 54" long platform - with handrail belt)

Rear pump models listed - all models also available in front pump configuration

- 1,000 lb lifting capacity
- Fully automatic FMVSS 403 compliant lift, operated by an attendant
- Loading position - either direction
- Interfaces with OEM interlocks
- Long lasting LED lift mounted lights that are active when vehicle interlocks are engaged and lift power switch is on
- Hand-held control box with illuminated functions
- Locking mechanical Inboard Barrier (IB), powder coated yellow for safety and high visibility, prevents operation if occupied
- Pump design prevents platform folding when occupied, quiet operation & low current draw
- Durable redesigned baseplate reduces lift weight and allows for quicker and easier service of hose/wiring
- Easily installed, step-by-step installation instructions, no peripheral hardware required
- Platform movement prevented during unsafe operation
- Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground, complete with durable rubber nose guard
- Transition areas marked with durable high-gloss yellow powder coating for safety & visibility
- Side or rear door application
- Dual handrails for security and convenience
- Bridging feature permits the wheelchair user to board the lift from sidewalks or inclines
- Floor to ground travel is 48"
- Integrated back-up pump
- Equipped with an adjustable anti-rattle feature to avoid unpleasant noise in the vehicle during transit
- Durable high-gloss powder coated finish
- Lift-Tite system stows the lift platform securely while the vehicle is in transit
- Pump module with removable cover offers easy access to all components



All illustrations, descriptions and specifications in this brochure are based on the latest product information at the time of publication. BraunAbility reserves the right to make changes at any time without notice. © 2017 BraunAbility 400636



Integrated dual handrails provide added security for wheelchair users and standees



Visual and audible warnings alert both passengers and attendants to unsafe conditions



Gas spring activated outer barrier detects roll stop occupancy as the platform leaves the ground



 **BraunAbility**
Life is a Moving Experience®

631 West 11th Street • Winamac, IN 46996

(574) 946-6153 • 1-800-THE-LIFT

www.braunability.com/commercial

Braun® Limited Warranty

WARRANTY COVERAGE AND WARRANTY COVERAGE TIME PERIODS

The Braun Corporation ("Braun") warranty covers certain parts of this wheelchair lift for three (3) years or 10,000 cycles and the cost of labor to repair or replace those parts for one (1) year or 3,000 cycles. If The Braun Corporation receives the warranty registration card within 20 days after the lift is put into service, the warranty labor coverage will increase from one (1) year or 3,000 cycles to three (3) years or 10,000 cycles. In addition, providing the warranty registration card is returned as noted above, the following lift's power train parts are warrantied for five (5) years or 15,000 cycles: Cable, Cylinder, Flow Control, Gear Box, Motor, Pump, Hydraulic Hose and Fittings. This limited warranty covers substantial defects in materials and workmanship of the lift, provided that the lift is operated and maintained properly and in conformity with the owner's manual. The warranty period begins 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 only to the first purchaser. It may not be transferred.

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 first year of warranty coverage, it will be repaired or replaced, at Braun's option, without charge for parts or labor to the owner, in accordance with the terms, conditions and limitations of this limited warranty. If the substantial defect in material or workmanship, attributable to Braun, is found to exist during the second or third year of warranty coverage, it will be repaired or replaced, at Braun's option, without charge to the owner for parts, only, in accordance with the terms, conditions and limitations of this limited warranty. Providing the warranty card is returned within 20 days as outlined above, the labor warranty period will be extended by two years of coverage in accordance with the terms, conditions, and limitations of this limited warranty. In addition, if a substantial defect in material or workmanship, attributable to Braun, is found to exist during the fourth or fifth year of warranty coverage to the following lift's power train parts: Cable, Cylinder, Flow Control, Gear Box, Motor, Pump, Hydraulic Hose and Fittings, it will be repaired or replaced, at Braun's option, without charge to the owner for parts, only, in accordance with the terms, conditions and limitations of this limited warranty. The cost of labor for repair or replacement at any time after the warranty coverage detailed above is the sole responsibility of the owner.

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.

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® Limited Warranty

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.
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; 1-800-THE-LIFT, (843-5438).

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.

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. These items are usually detected and corrected at the factory or by

Braun® Limited Warranty

a dealer prior to delivery to the purchaser. 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: misuse, neglect, collision, accidents, failure to provide routine maintenance (See Owner's Manual), unauthorized alteration, off road use, Acts of Nature, 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 the 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.

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.

Century Series™ Lift Guide

3-19-24



Century Series™ Features

The Century Series is an extremely versatile lift, designed to fit a variety of personal-use applications. The unique design allows the same lift to be used in the side or rear door of a full-size van, making it a great lift to keep in stock for faster service to your customers.

The Century Series features a 31" wide by 43" long platform.

The lift provides 36" of floor-to-ground reach and includes an "up/down" switch mounted on the switch arm, allowing the independent user to operate the lift.

As with all BraunAbility lifts, a number of options are available for your customers' convenience. Additional control stations allow the mobility package to be adapted to your customers' specific needs. And, for the ultimate in convenience, a remote control system will operate all lift and door functions.

- V.A. accepted
- Automatic fold and unfold
- Modular construction
- Durable powder-coated finish
- Integrated backup pump
- 8" automatic roll stop
- Designed for flat-floor and stepwell applications
- Can be used in vehicles without raised doors, maintaining "garageability."
- Color-coded rocker switches are easily operated by those with limited dexterity



Century Series™ Models

NCL955IB3143EK-2

NHTSA Compliant - Usable Platform: 31" x 43"

Explanations of abbreviations:

NCL955 IB 31 43 EK -2

IB = Inboard Barrier
31 = 31" Clear Platform Width
43 = 43" Clear Platform Length
EK = Extra Kickout
-2 = Non-Electronic

General Function: Electrohydraulic, power up/gravity down operation

Operation: Hydraulic pump with two lifting cylinders

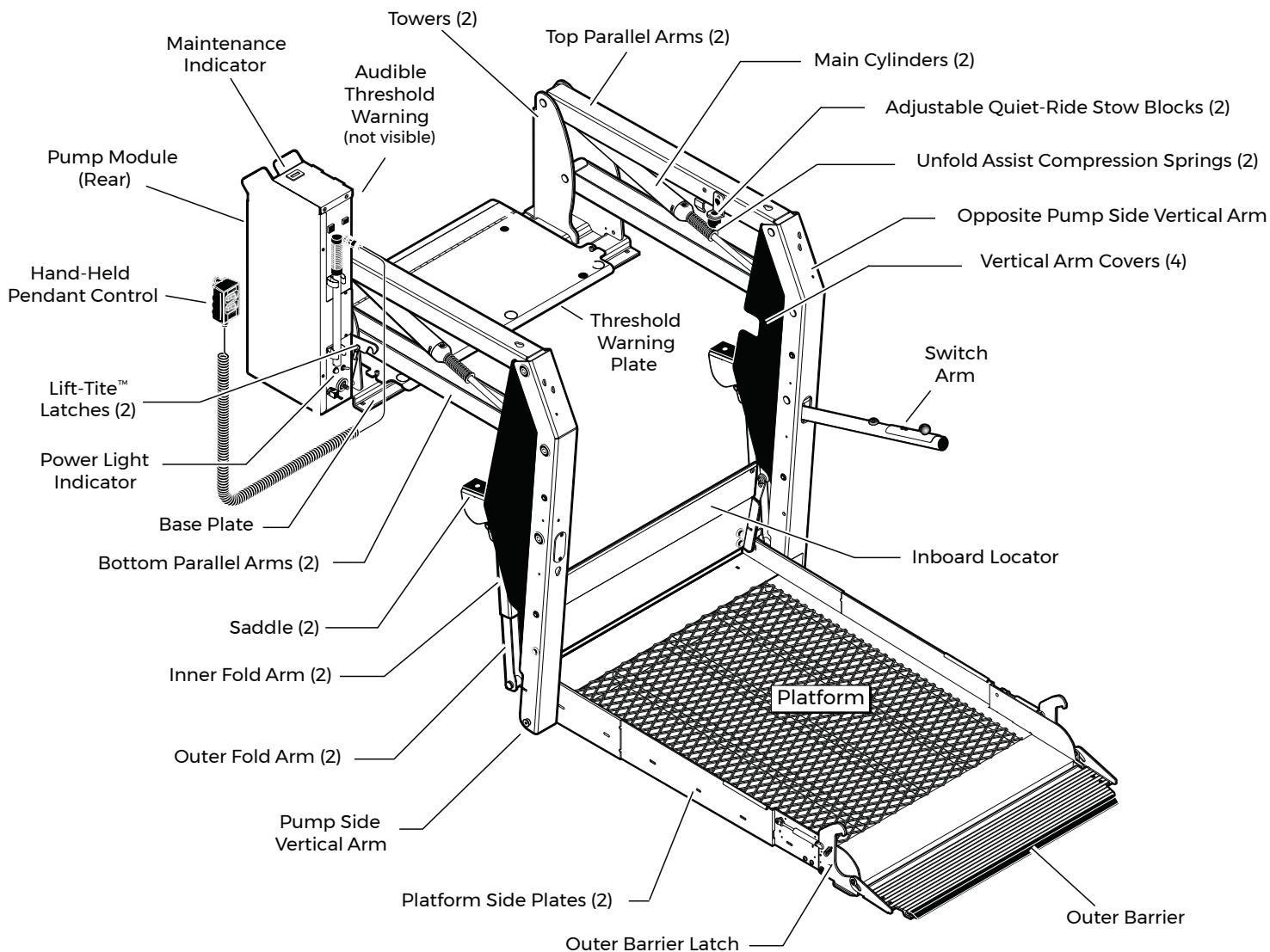
Control: Module mounted switches, handrail Up/Down switch, optional hand-held control box, and optional remote

Hydraulic: Pressure Max. 2,495 psi, Fluid is Univis HVI 26, oil reservoir is .33 gal

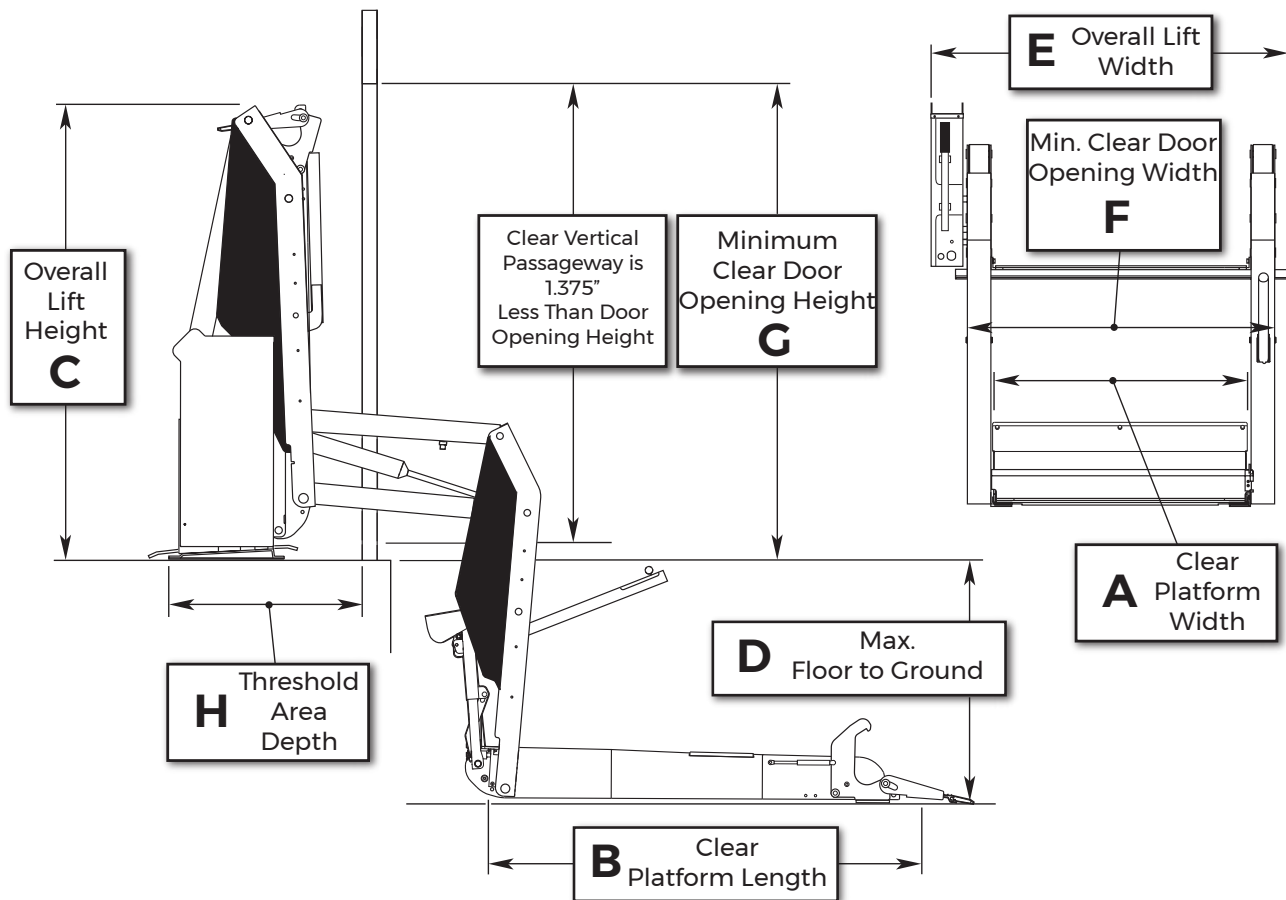
Construction: Steel structure with powder coat finish

Power Supply: 12V DC

Current Consumption: Max. 70A (12V)



Century Series™ Dimensions



All dimensions are for reference only.

Century Series™			A	B	C	D	E	F	G	H
Lift Model Number	Lift Weight lbs	Lifting Capacity lbs	Clear Platform Width	Clear Platform Length	Overall Lift Height	Max. Floor to Ground	Overall Lift Width	Min. Clear Door Opening Width	Min. Clear Door Opening Height	Threshold Area Depth
NCL955IB3143EK-2	328	750	31"	43"	47.5"	36"	46"	40"	47"	22"

NHTSA Installation Kits

	<u>Side Door</u>	<u>Side Door with Side Curtain Air Bags</u>	<u>Std. Length Rear Door</u>	<u>Ext. Length Rear Door</u>
Dodge Ram Promaster (2014 & up)	405002KS		38674KS	
Ford E-Series	30956KKS		30957KKS	30970KKS
Ford Transit	400775KS	400534KS	400774KS	400773KS
Ford Transit Connect (2009-2013 only)			35819KKS	
GM	30958KKS		30959KKS	30981KKS
Sprinter	34474KS		34120KS	401174KS

30955K (Standard Mounting Kit - Ships with all DPA lifts) - Van Mounting Kits contain floor reinforcements for 403/404 compliance.

Century Series™ Accessories



- ◀ **33659KS** **Replacement Hand-Held Control Assembly Pendant**



- ◀ **33911KKS** **Remote Control System**
34352KS **Replacement/Extra Transmitter**

- 33912KKS** **Third Station Control**

- 33913KKS** **Outside Control Station**



- ◀ **402944KS** **Upper Tower Support Kit**

Century Series™ Specifications

BraunAbility® NCL955-2 Century Series Wheelchair Lift Specifications “Provided to make your spec writing easier.”

The wheelchair lift is compliant with Federal Motor Vehicle Safety Standard 403 for platform lift systems for motor vehicles. The lift shall have been tested to a minimum static load of 2400#. The lift shall have 750# rated lifting capacity. The base plate shall be a corrugated designed member to provide rigidity to minimize lift deflection when placed under load.

The power supply shall be a 12 volt electro-hydraulic system operating two single-acting cylinders. The hydraulic power pack system shall be of modular design allowing for easy removal and field replacement, if needed. The operation of the unit shall provide a smooth, jerk-free ride in both up and down directions. The power operation of the hydraulic cylinders shall be of a pull-type design for smooth lifting operation and improved synchronous arm movement. The pivot pins in the trunnion (knuckle) of the pivot arms shall be of stationary design. The hydraulic system shall be regulated by two separate relief valves, one of which is designed to prevent accidental stowing when occupied.

The hand control for lift operation shall be of a one-hand operation design made of durable plastic. The hand control will provide user with illuminated functions. The hand control cable shall be coiled with quick-change connections for ease of maintenance or field change.

The switch panel for lift operation shall be conveniently located and utilize wide paddle-type rocker switches designed for ease of operation by persons with limited use of their hands. Switches shall be permanently stamped with the appropriate function legend and color-coded, yellow for door open/close, orange for fold/unfold and red for lower/raise at peripheral control stations. Color-coded symbols shall appear on the lift instruction decal that correspond to the color of the switches to be operated.

A manual back-up system shall be provided to ensure operation of the lift in case of electrical failure. The backup system shall provide a reliable means of manually raising and lowering the lift while occupied. The back-up system shall fold and unfold the platform. The back-up pump shall be integrated with the hydraulic power pack system such that no hydraulic lines or fittings are required.

The platform shall be of steel construction and the surface shall be of see-through grating allowing for improved visibility and safer use in inclement weather. The platform shall have a usable wheelchair passageway width of 31 inches and a usable length of 43 inches.

The platform shall be automatically folded and unfolded and fully automatic in operation. The platform shall allow both in-board and outboard facing of wheelchair and mobility aid users. The platform entrance ramp shall be extruded aluminum for weight savings, have a rubber leading edge and raised ribs for traction. The outer barrier must not raise if occupied with 25 lbs. The outer barrier shall be the sole outboard wheelchair retention device and shall be interlocked and comply with the FMVSS 403 requirements. A switch arm shall be provided with a lower/raise switch positioned for the wheelchair passenger to use while on the platform. The lift must have a fail safe system to prevent stowing if solenoid welds.

All lift components shall be finished with a baked-on powder coating, which will meet a salt spray test of 1000 hours, to provide corrosion resistance and a long service life. BraunAbility Century Series to include but not limited to the following model numbers:

• NCL955IB3143EK-2



braunability.com

800.488.0359

ISO 9001:2015

631 West 11th Street, Winamac, IN 46996, USA



31065 Rev. A
October 2006

Operator's Manual for:

NCL Series

Public Use Wheelchair Lifts

DOT — Public Use Lift

"DOT — Public Use Lift" verifies that this platform lift meets the "public use lift" requirements of FMVSS No. 403. This lift may be installed on all vehicles appropriate for the size and weight of the lift, but must be installed on buses, school buses, and multi-purpose passenger vehicles other than motor homes with a gross vehicle weight rating (GVWR) that exceeds 4,536 kg (10,000 lb).



"Providing Access to the World"®

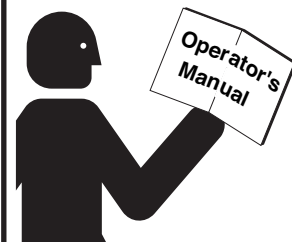
International Corporate Hdqrs: P.O. Box 310 Winamac, IN 46996 USA
 1-800-THE LIFT (574) 946-6153 FAX: (574) 946-4670



Patent #5,261,779
 Patent #6,065,924
 Patent #6,238,169
 Patent #6,464,447

Patent #6,599,079
 Patent #6,692,217
 Patent #6,739,824
 Patents Pending

! WARNING



Read manual before operating lift. Failure to do so may result in serious bodily injury and/or property damage. Keep manual in lift storage pouch.

Congratulations

We at The Braun Corporation wish to express our fullest appreciation on your new purchase. With you in mind, our skilled craftsmen have designed and assembled the finest lift available.

This manual includes safety precautions, lift operating instructions, manual operating instructions, and instructions for maintenance and lubrication procedures.

Your lift is built for dependability, and will bring you years of pleasure and independence, as long as maintenance is performed regularly and the lift is operated by an instructed person.

Sincerely,

THE BRAUN CORPORATION

A handwritten signature in black ink, reading "Ralph W. Braun". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Ralph W. Braun
Chief Executive Officer

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Warranty and Registration Instructions

Immediately upon receiving your lift, examine the unit for any damage. Notify the carrier at once with any claims.

Two warranty/registration cards (shown below) are located in the lift-mounted owner's manual storage pouch. The sales representative must process one of the cards. The consumer must fill out

the other card and mail it to The Braun Corporation. The warranty is provided on the back cover of this manual. The **warranty cards must be processed to activate the warranty.**

Two Braun Serial No./Series No. identification tags are posted on the lift. One I.D. tag (shown below) is posted on the opposite

pump side vertical arm. A second I.D. tag is located on the opposite pump side tower. This I.D. tag contains the product identification information provided on the Warranty/Registration card. Record the information in the space provided on the next page. **This information must be provided when filing a warranty claim or ordering parts.**

Series No. Pump Code
Model No. Serial No. Cylinder Code

OWNER'S WARRANTY REGISTRATION	
NCL917IB-04-00601-55-14CG	
PURCHASED FROM _____	
OWNER _____	
NAME _____	DATE INSTALLED _____
ADDRESS _____	
CITY _____	
TELEPHONE _____	STATE _____ ZIP _____

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

Sample
Warranty/Registration
Card

The Braun Corporation
1-800-THE LIFT™
BRAUNLIFT.COM™

DOT Public Use Lift MODEL#
NCL917FIB
Max. Lifting Capacity - 800 lbs.

SERIAL NUMBER
04-00601

PUMP CODE CYLINDER
55 14CG

MFG DATE
03/02/2006

CE e5*72/245*95/54*0110*00
U.S. PATENT
6281779-6065924-6238169-6464447-659907
9-6692217-6739824

Sample
Serial No./Series No.
Identification Tag

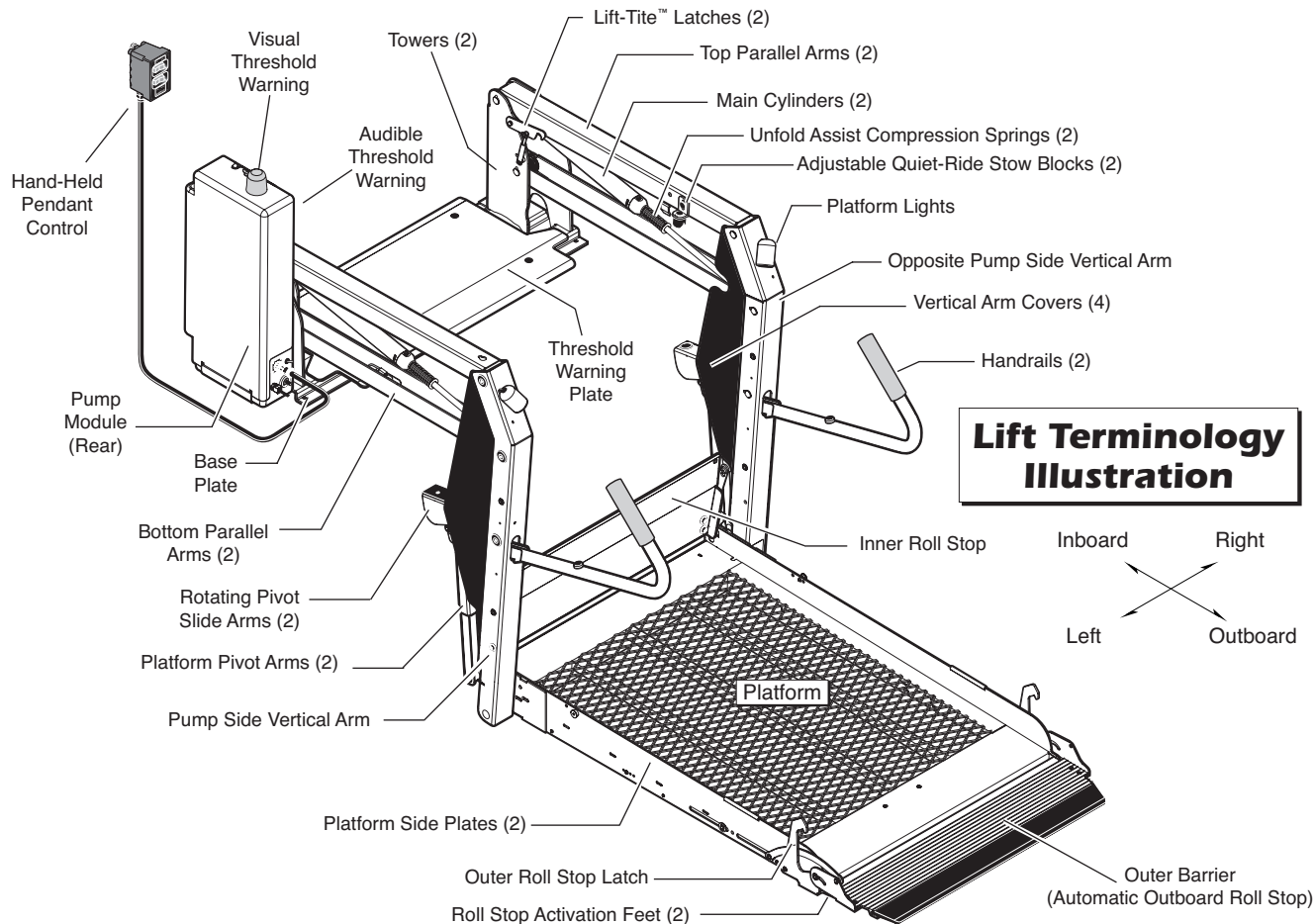
Warranty and Registration Instructions

Model No. _____ Pump Code _____

Series No. _____ Cylinder Code _____

Serial No. _____ Date of Manufacture _____

Note: This information **must be provided** when filing a warranty claim or ordering parts. Keep for future use.



Lift Terminology

Introduction:

Braun NCL Century Series lifts are ADA compliant and comply fully with National Highway Traffic Safety Administration (NHTSA) specifications. The NCL is commercial oriented (intended for operation by an attendant).

Lift models vary per size (lift model numbers indicate lift dimensions). NCL Series lift models can be equipped with left or right side pump modules as needed. A left side pump-equipped lift model is depicted in the Lift Terminology Illustration (NCL917IB). Right side pump lift models are a mirrored image of rear pump models

(pump module located on opposite end of base plate).

Refer to the Lift Terminology Illustration for identification of lift components.

Lift operation procedures are identical for all NCL Series lift models. The operating instructions contained in this manual and appearing on lift-posted operating instructions decals address the lift control switches and the corresponding lift functions. Instructions are provided for manual operation of the lift in event of power or equipment failure.

Terminology: Become familiar with the terminology that will be used throughout this manual. Become familiar with the identification of lift components and their functions. Contact your lift sales representative or call The Braun Corporation at 1-800-THE LIFT® if any of this information is not fully understood.

Direction: The terms "left," "right," "inboard," and "outboard" will be used throughout this manual to indicate direction (as viewed from outside the vehicle looking directly at the lift). Refer to the Lift Terminology Illustrations for clarification.

Lift Terminology

Lift Components

Refer to the Lift Terminology Illustration on page 4.

Pump Module: The lift-mounted pump module consists of the hydraulic pump, the manual hand pump, the electronic control board and electrical components that power the lift electric/hydraulic systems.

Hand-held Pendant Control: The hand-held attendant's pendant control is connected to the pump module. The hand-held pendant is equipped with four push button switches, (UNFOLD, FOLD, DOWN, and UP). The momentary switches activate the automatic lift functions. The

lift function labels illuminate to identify the function(s).

Lift Frame: The lift frame consists of the base plate, threshold warning plate, towers, parallel arms, vertical arms, platform pivot arms and handrails. Two main hydraulic cylinders are housed in the parallel arms. The electrical/hydraulic powered lift frame components mechanically unfold, lower, raise and fold the lift platform assembly.

Lift-Tite™ Latches: The spring-loaded latches prevent the platform from unfolding from the stowed position in the event of platform drift. Further details regarding Lift-Tite™ latches are provided on pages 16 and 17.

Outer Barrier: The spring-loaded automatic outer barrier (outboard roll stop) provides a ramp for wheelchair loading and unloading at ground level. Photos and further details regarding the outer barrier are provided in the Operation Notes and Details section (pages 19-21).

Inner Roll Stop and Bridge Plate (IB): NCL Series lift models are equipped with an automatic inboard roll stop that also serves as the bridge plate. The bridge plate bridges the gap between the lift platform and the vehicle floor. The inner roll stop/bridge plate automatically rotates from the horizontal position to the vertical position as the lift lowers and raises.

Lift Terminology

Further details regarding the automatic mechanical inboard roll stop are provided on pages 18 and 19.

Vehicle and Lift Interlocks

Braun Corporation NCL Series lifts comply fully with all NHTSA vehicle and lift interlock specifications. Vehicle movement is prohibited unless the lift is fully stowed and the lift will not function unless the vehicle is parked and secured.

The NCL features a visible and audible threshold warning system that will activate if the threshold area is occupied when the platform is one inch or more below floor level.

The inner roll stop and outer barrier sense weight to prohibit lift operation. The lift will not function if the inner roll stop or outer barrier are occupied. The lift platform cannot be folded (stowed) if occupied.

The inner roll stop features a locking mechanism that prohibits the platform from lowering if the lock does not engage. The lift platform cannot be raised more than 3" above ground level unless the outer barrier is in the vertical position.

Lift Terminology

Lift Actions and Functions

DEPLOY (A-C)

A. UNFOLD (Out) - Platform

Unfold: Unfold is the action of the platform rotating out and down from the fully-stowed (vertical) position to floor level (horizontal) position when the UNFOLD switch is pressed.

B. DOWN - Platform Lower:

Down is the action of the platform lowering from floor level position to fully-lowered (ground level) position when the DOWN switch is pressed.

C. DOWN - Outer Barrier

Unfold (Deploy) - When the platform reaches the fully-lowered (ground) position and the

DOWN switch is continued to be pressed, the outer barrier rotates downward from vertical position to ramp position.

STOW (D-F)

D. UP - Platform Raise: Up is the action of the platform raising from ground level to floor level (fully-raised) position when the UP switch is pressed. When the lift is fully lowered, pressing the UP switch first raises the platform.

E. UP - Outer Barrier Fold (Raise): As the platform begins to raise off the ground, the spring-loaded outer barrier rotates from the ramp position to vertical position.

F. FOLD (In) - Platform Fold:

Fold is the action of the platform rotating up and in from the floor level (horizontal) position to fully-stowed (vertical) position when the FOLD switch is pressed.

Stowed Position: The lift is stowed when the lift platform has been fully raised and folded fully (vertical position).

Floor Level: Floor level is the position (height) the platform assembly reaches in order for the wheelchair passenger to enter and exit the vehicle (fully raised). The platform automatically stops at floor level when unfolding from the stowed position and when raising from ground level.

Lift Operation Safety

Safety Symbols

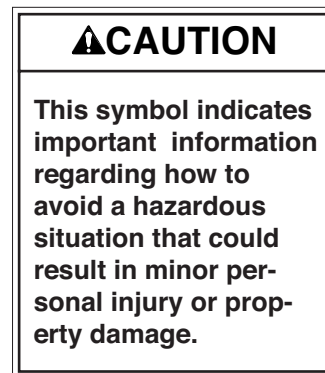
SAFETY FIRST! Know That...

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, troublefree operation. Safety precautions are provided to identify potentially hazardous situations and provide instruction on how to avoid them.

B



C



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


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


Lift Operation Safety

Lift Operation Safety Precautions


WARNING


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

 **WARNING** Read manual and supplement(s) before operating lift. Read and become familiar with all safety precautions, pre-lift operation notes and details, operating instructions and manual operating instructions before operating the lift. **Note:** Wheelchair passengers and all transit agency personnel (drivers and wheelchair lift attendants) must read and become familiar with the contents of this manual and supplement(s) before operation.

 **WARNING** Load and unload on level surface only.

 **WARNING** Engage vehicle parking brake before operating lift.

 **WARNING** Provide adequate clearance outside the vehicle to accommodate the lift before opening lift door(s) or operating lift.

 **WARNING** Inspect lift before operation. Do not operate lift if you suspect lift damage, wear or any abnormal condition.

 **WARNING** Keep operator and bystanders clear of area in which the lift operates.

Lift Operation Safety

WARNING

Whenever a wheelchair passenger (or standee) is on the platform, the:

- Passenger must be positioned fully inside yellow boundaries
- Wheelchair brakes must be locked
- Inner roll stop and outer barrier must be up (vertical)
- Outer barrier latches must be fully engaged
- Passenger should grip both handrails (if able).

WARNING

Load and unload clear of vehicular traffic.

WARNING

Do not overload or abuse. The load rating applies to both the raising and lowering functions - continuous lifting capacity is 800 lbs.

WARNING

Discontinue lift use immediately if any lift or vehicle interlock does not operate properly.

WARNING

Do not operate or board the lift if you or your lift operator are intoxicated.

WARNING

Do not raise front wheelchair wheels (pull wheelie) when loading (boarding) the platform.

WARNING

Open lift door(s) fully and secure before operating lift.

WARNING






Position and secure (buckle, engage, fasten, etc.) the wheelchair-equipped occupant seat belt (torso restraint) before loading onto the wheelchair lift platform.


Lift Operation Safety

Lift Operation Safety Precautions (continued)

WARNING

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

-  **WARNING** Lift attendants must ensure that lift occupants keep hands, arms and all other body parts within the lift occupant area and clear of moving parts.
-  **WARNING** Platform must be positioned at floor level (bridge plate height) when loading or unloading in and out of vehicle.
-  **WARNING** Do not use platform inner roll stop or outer barrier as a brake. Stop and brake wheelchair when loading onto the platform (manually stop and brake manual wheelchairs — stop powered wheelchairs with the wheelchair controls).
-  **WARNING** Turn powered (electric) wheelchairs off when on lift platform.
-  **WARNING** Press the DOWN switch until the entire platform rests on ground level (lowered fully) and the outer barrier is fully unfolded (ramp position) before loading or unloading a passenger at ground level.

-  **WARNING** Outer barrier must be fully unfolded (ramp position) until front and rear wheelchair wheels cross roll stop when loading or unloading at ground level.

Lift Operation Safety

- ⚠WARNING** Accidental activation of control switch(es) may cause unintended operation(s).
- ⚠WARNING** Maintenance and lubrication procedures must be performed as specified in this manual by authorized (certified) service personnel.
- ⚠WARNING** Replace missing, worn or illegible decals.
- ⚠WARNING** Keep owner's (operator's) manual in lift-mounted manual storage pouch at all times.
- ⚠WARNING** Never modify (alter) a Braun Corporation lift.
- ⚠WARNING** Do not use accessory devices not authorized by The Braun Corporation.
- ⚠WARNING** Do not remove any guards or covers.
- ⚠WARNING** Keep clear of any hydraulic leak.
- ⚠WARNING** Failure to follow these safety precautions may result in serious bodily injury and/or property damage.

Operation Notes and Details

WARNING

Read and become familiar with all lift operation safety precautions, operation notes and details, operating instructions and manual operating instructions prior to operating the lift. If this information is not fully understood, contact The Braun Corporation immediately. Failure to do so may result in serious bodily injury and/or property damage.

NCL Series “Public Use” lift models are specifically designed to be operated by an attendant. The Lift Operating Instructions contained in this manual and posted on the lift provide instructions for operation of the lift **only**. Read and become familiar with all lift operation safety precautions, operation notes and details, operating instructions and manual operating instructions before attempting lift operation procedures.

Lift Access Doors and Interlocks: Attendants **must** become familiar with the vehicle lift access door system and vehicle interlock system(s). Transit vehicles and lift access door configurations vary. Door securement devices (latches, hooks, cables, etc.) and procedures to operate them vary.

Instructions for operation of vehicle interlocks and door securement systems are not addressed in this manual or on lift-posted operating instructions decals due to the variety of procedures required for operating them. Braun Corporation NCL Series lifts comply fully with all NHTSA vehicle and lift interlock specifications (detailed on pages 7 and 32). Infringement of any lift interlock will prohibit lift operation.

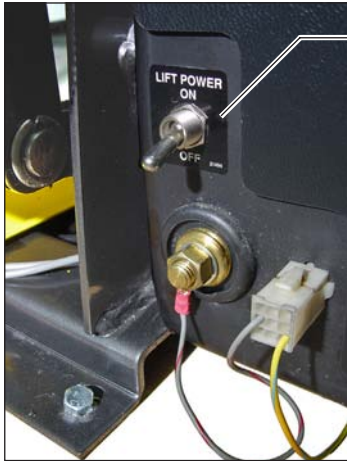
It is the responsibility of the lift operator (attendant) to properly open, secure and close the vehicle lift door(s), to activate the vehicle interlock(s), to load and unload the wheelchair passenger (or standee) on and off the lift platform, and to properly activate all lift functions.

Operation Notes and Details

General Safety: The lift operator (attendant) and bystanders must keep clear of the area in which the lift operates and clear of all moving parts. Lift attendants

must ensure that lift occupants (passengers) keep hands, arms and all other body parts within the lift occupant area and clear of moving parts.

Control Switches

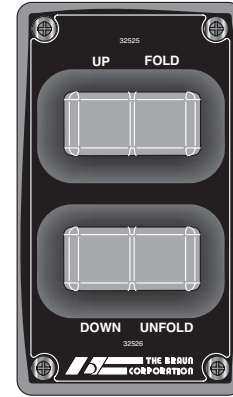


Lift Power ON/OFF Switch:

This switch must be in the ON position in order to activate the lift. The green Power Indicator Light mounted on top of the pump module illuminates to signal power to the lift.

Hand-held Pendant Control:

The hand-held attendant's pendant control is equipped with two momentary rocker switches (UP/FOLD and DOWN/UNFOLD). Simply press the applicable switch in the direction of the label



Hand-held Pendant

to activate the corresponding lift function.

When there is power to the lift, the lift function labels illuminate to identify the function(s).

Operation Notes and Details

Lift Features

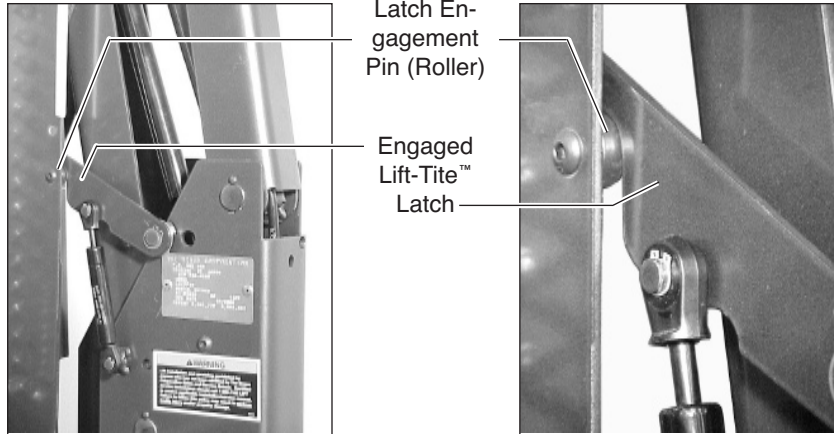
Become familiar with all lift features and the proper operation of the lift components **before** attempting lift operation. Refer to the Lift Terminology Illustrations for identification of specific lift components if not

clearly depicted in this section. Contact The Braun Corporation at 1-800-THE LIFT® immediately if any of this information is not understood.

Lift-Tite™ Latches: NCL Series lifts are equipped with Lift-Tite™ Latches. Lift-Tite™ Latches prevent the platform from unfolding from the stowed position in

WARNING

Discontinue lift use immediately if any lift component does not operate properly. Failure to do so may result in serious bodily injury and/or property damage.



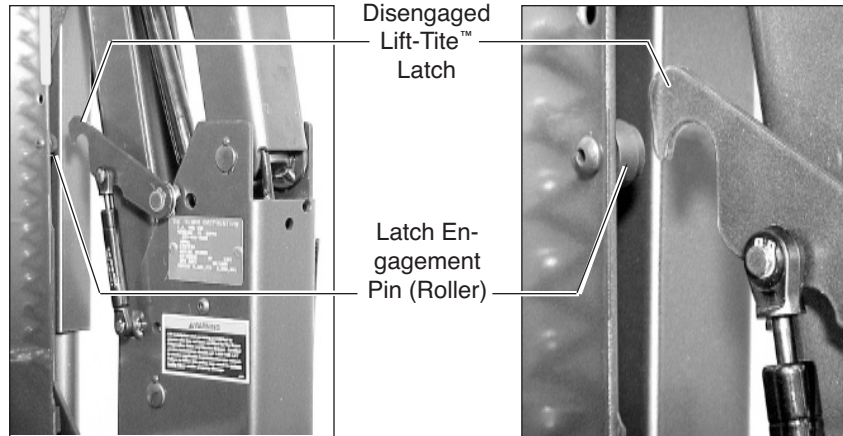
Operation Notes and Details

the event of platform drift. Due to the “all-hydraulic” operation of the dual-cylinder NCL, hydraulic fluid expansion, contraction or seepage may occur. Any of these conditions may result in platform drift (failure to hold the platform in the folded or raised position). Platform drift may occur during lift shipment and/or between extended periods of non-lift use.

In the event that the platform does not unfold when the UNFOLD switch is pressed, press the FOLD switch momentarily to disengage the Lift-Tite™ latches (platform drift has occurred). Then, press the UNFOLD switch to unfold the platform to floor level (standard operation).

When manually operating a lift equipped with Lift-Tite™ latches, insert the pump handle in the pump and stroke until the platform folds fully (stops). Then, open the hand pump valve (turn counterclockwise) to unfold the

platform. Folding the platform fully first will ensure that the Lift-Tite™ latches will disengage properly when the release valve is opened. Manual Operating Instructions are provided on pages 33-37.



Operation Notes and Details

Lift Features (continued)

Inner Roll Stop and Bridge Plate: NCL Series lift models are equipped with an automatic inner roll stop that also serves as the bridge plate (inner roll stop photos below).

When the UNFOLD switch is pressed and the platform unfolds from stow position to floor level, this mechanical roll stop/bridge plate is automatically deployed to the bridging (horizontal) position to provide a bridge plate between the platform and the lift base plate (vehicle floor). The inboard edge

of the bridge plate rests on the threshold warning plate (base plate).

The roll stop/bridge plate automatically folds (rotates) to the vertical (roll stop) position when the platform lowers to the ground (DOWN switch is pressed).



Fully Deployed (vertical)
Inner Roll Stop

Fully Unfolded (horizontal)
Inner Roll Stop (bridging position)

Inner Roll Stop and Bridge Plate

The inner roll stop/bridge plate **must overlap** the base plate a **minimum 1/2"**.



Operation Notes and Details

WARNING

Discontinue lift use immediately if any lift component does not operate properly. Failure to do so may result in serious bodily injury and/or property damage.

As the UP switch is pressed and the platform raises from ground level, the inner roll stop automatically unfolds (rotates) to the horizontal (bridging) position when it reaches vehicle floor level. The roll stop must overlap the lift base plate a minimum 1/2".

When the FOLD switch is pressed and the platform folds from floor level to the stow (vertical) position, the roll stop/bridge plate automatically travels in-board to the stowed position.

Interlock Features: The inner roll stop features a locking mechanism that prohibits the platform from lowering if the lock is not engaged. The inner roll stop also senses weight to prohibit lift operation. The lift will not function if the inner roll stop is occupied.

Discontinue lift operation immediately if the inner roll stop does not operate properly.

Outer Barrier: This spring-loaded roll stop provides a ramp for wheelchair loading and unload-

ing at ground level (see photos on following page). When the platform lowers fully to ground level, the roll stop activation feet automatically unfold (rotate) the barrier to the ramp position (fully unfolded). The two activation feet (one at each end of the barrier) ensure barrier operation on an uneven surface.

Although the outer barrier is lift-powered, the activation of the barrier is controlled by the lift operator (attendant). Pressing the DOWN switch unfolds the barrier. The outer barrier is spring-loaded to automatically fold (rotate) to the vertical position when the UP switch is pressed. As the activation feet lift off the ground, the torsion

Operation Notes and Details

Lift Features (continued)

springs rotate the barrier to the vertical position.

Interlock: The outer barrier senses weight to prohibit lift operation. The lift will not function if the outer barrier is occupied.

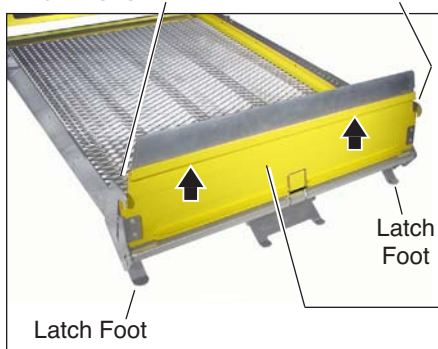
Discontinue lift operation immediately if the outer barrier does not operate properly.

Outer Barrier Latches: Two spring-loaded latches engage the outer barrier when the barrier rotates upward from ramp position to the vertical position (UP switch

is pressed to raise the platform above ground level). **Note:** The platform must raise approximately three inches **before** the latch engages **fully** (see photo on opposite page).

Interlock: Lift platform movement shall be interrupted unless

Fully-Engaged Outboard Barrier Latches

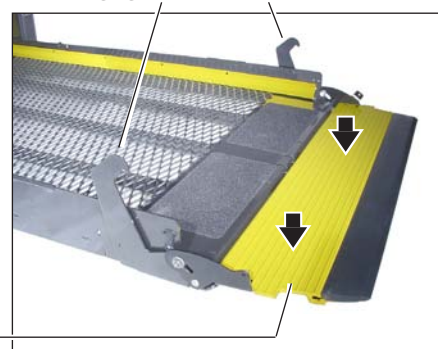


Outer Barrier

**Fully-Folded
Outer Barrier
(Up-vertical)**

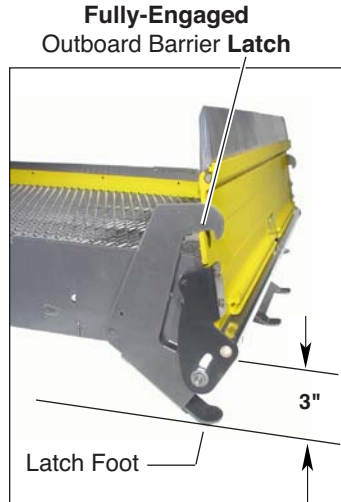
**Fully-Unfolded
Barrier
(Ramp position)**

Disengaged Outer Barrier Latches



Operation Notes and Details

the outer barrier is raised (vertical position) and the outer barrier latches are positively engaged.



Note: Platform must raise **approximately** three inches **before** latch engages **fully**.

The latches disengage the barrier when the platform lowers fully (reaches ground level) and the latch feet contact the ground (latches raise above the barrier).

Outer Barrier and Latch Operation: The lift attendant must press the DOWN switch to lower the platform fully to the ground. The attendant **must view** the platform as it lowers to **be certain** the **entire platform** reaches and rests safely on the ground. Stop pressing the DOWN switch if any portion of the platform is obstructed while descending or the entire platform does not reach ground level **for any reason** (contact with an obstruction, mechanical failure, exceeding the lift “floor-to-ground” capacity, etc.).

Note: The barrier **must be fully unfolded** until the entire wheelchair (or standee) has crossed the roll stop when loading or unloading at ground level. **Discontinue lift operation immediately if the outer barrier or latches do not operate properly.**

Bridging: The NCL incorporates a bridging feature. This feature stops the down travel of the platform if the outboard end of the platform contacts a raised surface (such as a curb), preventing the operator from lowering the inboard end of the platform.

Handrails: Dual handrails are provided for wheelchair passenger (or standee) use. The handrails unfold automatically to the deployed (horizontal) position

Operation Notes and Details

Lift Features (continued)

when the lift unfolds and automatically fold to the stowed (vertical) position when the platform folds.

If able, passengers should grip both handrails when on the lift platform. **Discontinue lift operation immediately if the handrails do not operate properly.**

Lift Passengers

If you are an attendant operating the lift, it is your responsibility to perform safe loading and unloading procedures. Wheelchair lift attendants should be instructed on any special needs and/or procedures required for safe transport of wheelchair passengers.

The lift operator and bystanders must keep clear of the area in which the lift operates. Observe your passenger at all times during lift operation.

Do not attempt to load or unload a passenger in a wheelchair or other apparatus that does not fit on the platform area. Do not exceed the 800 pound load ca-

capacity of the lift. The lift attendant should not ride on the platform with the passenger.

Passenger Orientation (Boarding Direction): Braun NCL Series wheelchair lifts accommodate **both** inboard and outboard facing wheelchair passengers **or** standees. Inboard facing of wheelchair lift passengers is **not prohibited**, but outboard facing of passengers is **recommended** by The Braun Corporation.

Braun NCL Series lifts permit both inboard and outboard facing of wheelchair and mobility aid users **and** accommodate persons using walkers, crutches, canes or braces or who otherwise have difficulty using steps.

Operation Notes and Details

Standees: Lift Operating Instructions apply to wheelchair passengers and standees. Standees should stand in the center of the platform (**fully inside the yellow boundaries**) and grip both handrails (if able) when on platform.

Yellow Boundaries: The passenger **must** be positioned in the **center of the platform** to prevent side-to-side load imbalance. The lift attendant (operator) should **not** ride on the platform with the passenger.

Yellow platform loading boundaries are identified in the following manner. The yellow powder-coated inner roll stop and outer barrier identify the inboard and outboard ends of the platform. A

yellow powder-coated guard is located on the pump-side platform side plate. A yellow boundary strip decal is affixed to the opposite platform side plate. Yellow plastic caps are placed on the dual handrails.

The threshold warning plate is powder-coated yellow to identify the platform threshold area.

Interlock: A visible and audible threshold warning system will activate if the threshold area is occupied when the platform is one inch or more below floor level.

The attendant must always be certain the wheelchair passenger or standee is properly positioned on the platform (**fully inside yellow boundaries**) and the wheelchair brakes are locked when a

passenger is on the lift platform. The lift passenger must keep hands, arms and all other body parts within the lift occupant area and clear of all moving parts.

Vehicle (Floor Level) Loading and Unloading: The platform must be fully raised (at floor level) and the bridge plate must be properly positioned when loading or unloading passengers in or out of the vehicle. **It is the responsibility of the lift attendant to ensure the platform and the bridge plate are properly positioned at floor level when loading and unloading passengers.**

The wheelchair **brakes must be locked**, the outer barrier must be in the **fully-up** (vertical) position

Operation Notes and Details

Lift Passengers (continued)

WARNING

Whenever a passenger is on the platform, the:

- Passenger must be positioned fully inside yellow boundaries
- Wheelchair brakes must be locked
- Inner roll stop and outer barrier must be UP

Failure to follow these rules may result in serious bodily injury and/or property damage.

and the outer barrier latches must be **fully engaged whenever a passenger is on the platform.**

Do not use the outer barrier as a brake. Stop and brake the wheelchair when fully loaded on the platform. Manually stop and brake manual wheelchairs. Stop powered wheelchairs with the wheelchair controls. Turn powered (electric) wheelchairs off when on the platform.

If the outer barrier, bridge plate, handrails or any other lift component does not operate as outlined in this manual, **discontinue lift use immediately** and contact The Braun Corporation sales representative in your area or

WARNING

Discontinue lift use immediately if any lift component does not operate properly. Failure to do so may result in serious bodily injury and/or property damage.

call The Braun Corporation at 1-800-THE LIFT®. One of our national Product Support representatives will direct you to an authorized service technician who will inspect your lift.

Operation Notes and Details

Wheelchair-Equipped Occupant Seat Belts

The Braun Corporation recommends wheelchair passengers position and buckle their wheel-

WARNING

Position and secure (buckle, engage, fasten, etc.) the wheelchair-equipped occupant seat belt before loading onto the wheelchair lift platform. Failure to do so may result in serious bodily injury and/or property damage.

chair-equipped seat belt (torso restraint) **before** loading onto a wheelchair lift.

Different types of disabilities require different types of wheelchairs and different types of wheelchair-equipped occupant restraint belt systems (torso restraints). 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.

Wheelchair lift attendants should be instructed on any special needs and/or procedures required for safe transport of wheelchair passengers.

Operation Procedure Review

The Braun Corporation recommends that transit agency supervisors and wheelchair lift attendants review the safety precautions and operation procedures appearing in this manual and on lift-posted decals with your wheelchair lift sales representative (dealer), **before** attempting lift operation.

Any questions or concerns can be answered by the sales representative at that time. Operate the lift through all functions with your sales representative on hand to ensure the proper use and operation of the wheelchair lift is understood.

Operation Notes and Details

Transit agency supervisors should train and educate their lift attendants on the proper use and operation of the wheelchair lift if it is not possible for the attendants to review the safety precautions and operation procedures with the wheelchair lift sales representative.

The lift operator's **manual must be stored in the lift-mounted manual storage pouch at all times.**

Preventive Maintenance:

Maintenance is necessary to ensure safe and troublefree lift operation. General preventive lift maintenance consisting of **careful** inspections of the lift system and cleaning the lift should be

a part of your transit agency's daily lift service program. Simple inspections can detect potential lift operational problems.

Regular preventive maintenance will reduce potential lift operation downtime and increase the service life of the lift, as well as possibly detecting potential hazards.

Exposure to harsh weather elements, environmental conditions, or heavy usage may require more frequent maintenance and lubrication procedures.

Preventive maintenance visual inspections **do not** take the place of the procedures specified in the Maintenance and Lubrication Schedule provided on pages

41-49 of this manual. Refer to the Maintenance and Lubrication section for further details.

WARNING

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

Lift Operating Instructions

WARNING

Read and become familiar with all lift operation safety precautions, operation notes and details, operating instructions and manual operating instructions prior to operating the lift. If this information is not fully understood, contact The Braun Corporation immediately. Failure to do so may result in serious bodily injury and/or property damage.

WARNING

Whenever a passenger is on the platform, the:

- Passenger must be positioned fully inside yellow boundaries
- Wheelchair brakes must be locked
- Inner roll stop and outer barrier must be UP

Failure to follow these rules may result in serious bodily injury and/or property damage.

Before lift operation, park the vehicle on a level surface, away from vehicular traffic. Place the vehicle transmission in "Park" and engage the parking brake.

Lift Operating Instructions photos depict lift model NCL917IB. Instructions and procedures are applicable for all NCL Series lift models. Lift-posted Warnings and Lift Operating Instructions decal 30695 provides lift operating instructions. Replace any missing, worn or illegible decals.

If your lift does not function as intended or an audible warning signal is activated, review the NHTSA Operations Checklist on page 32. Follow the Manual Operating Instructions on pages 33-37 in the event of a power or equipment failure.

Lift Operating Instructions



Open Door(s) and Secure

To Unfold Platform:

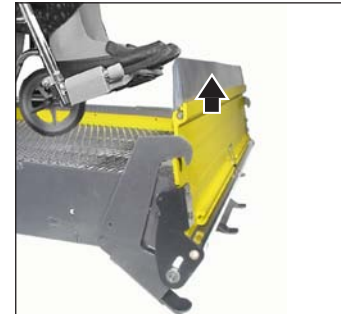
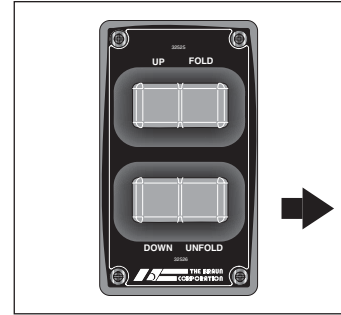
Stand clear and press the UN-FOLD switch until the platform stops (reaches **floor level** - unfolds **fully**). Release switch.

Note: In event platform does not unfold, press FOLD switch to release Lift-Tite™ latches.

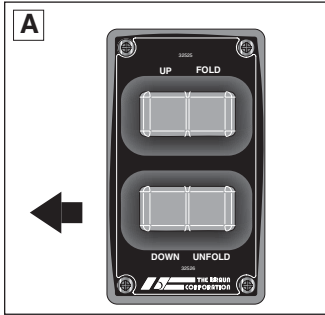
To Unload Passenger:

1. **Read Note below!** Load passenger onto platform and **lock** wheel-chair brakes.

Note: Passenger **must** be positioned **fully inside yellow boundaries**, outer barrier **must** be UP and outer barrier latches **must** be engaged.



Lift Operating Instructions



To Unload Passenger (continued):

2. Press DOWN switch until the **entire** platform reaches ground level (see Photo B) and the outer barrier **unfolds fully** (ramp position). See Photo C. Release switch.

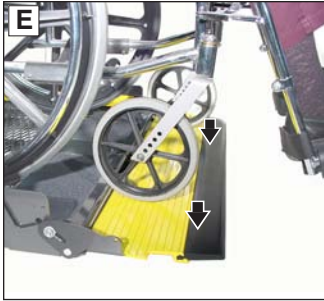


3. Unlock wheelchair brakes and unload passenger from platform.

Note: Outer barrier **must** be **fully unfolded** (ramp position) until the entire wheelchair (or standee) has crossed the outer barrier. See Photos E and F on page 30 also.



Lift Operating Instructions

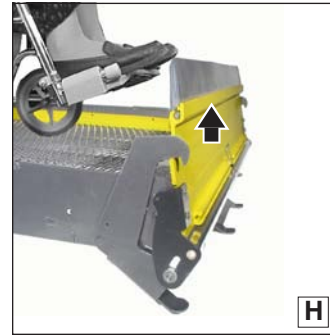
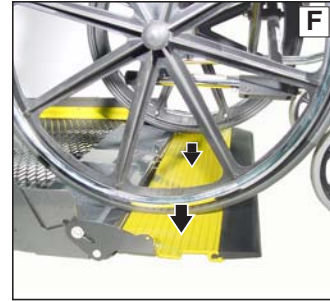


To Load Passenger:

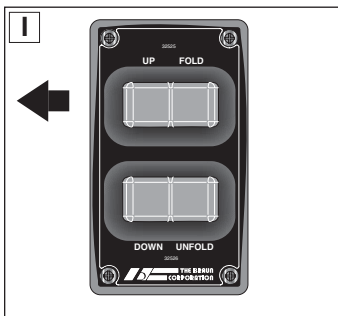
1. **Read Notes below!** Load passenger onto platform and **lock** wheelchair brakes. See Photo **G**.

◀ **Note:** Outer barrier **must** be **fully unfolded** (ramp position) until the entire wheelchair (or standee) has crossed the outer barrier. See Photos **E** and **F**.

◀ **Note:** Passenger **must** be positioned **fully inside yellow boundaries**.

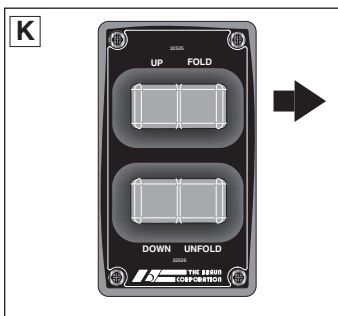


Lift Operating Instructions



To Load Passenger (continued):

2. Press UP switch (Photo I) to fold outer barrier UP **fully** (vertical - see Photo H), and raise the platform to **floor level**. See Photo J. Release switch.
3. Unlock wheelchair brakes and unload passenger from platform.



To Fold Platform:

- Press FOLD switch until platform stops (**fully** folded). See Photos K and L. Release switch.

Close Door(s)



NHTSA Operations Checklist

The following operations have been verified upon installation. This operational checklist can be used at any time to verify the lift is fully functional.

Verified:

- ☐ Vehicle movement is prevented unless the lift door is closed, ensuring the lift is stowed.
- ☐ Lift operation shall be prevented unless the vehicle is stopped and vehicle movement is prevented.
- ☐ The platform will not fold/stow if occupied.
- ☐ The inner roll stop will not raise if occupied.
- ☐ The outer barrier will not raise if occupied.
- ☐ Verify platform lighting* when lift is deployed and pendant illumination when it is powered.
- ☐ An audio warning (and visual warning for public lifts) will activate if the threshold area is occupied when the platform is at least one inch below floor level.

- ☐ Lowering the platform beyond the inner roll stop locking position is allowed only when the inner roll stop is locked in position.
- ☐ Lift platform movement shall be interrupted unless the outer barrier is raised and the outer barrier latch is positively engaged.

*Public use vehicle manufacturers are responsible for complying with the lift lighting requirements in Federal Motor Vehicle Safety Standard No. 404, Platform Lift Installations in Motor Vehicles (49 CFR 571.404).

WARNING

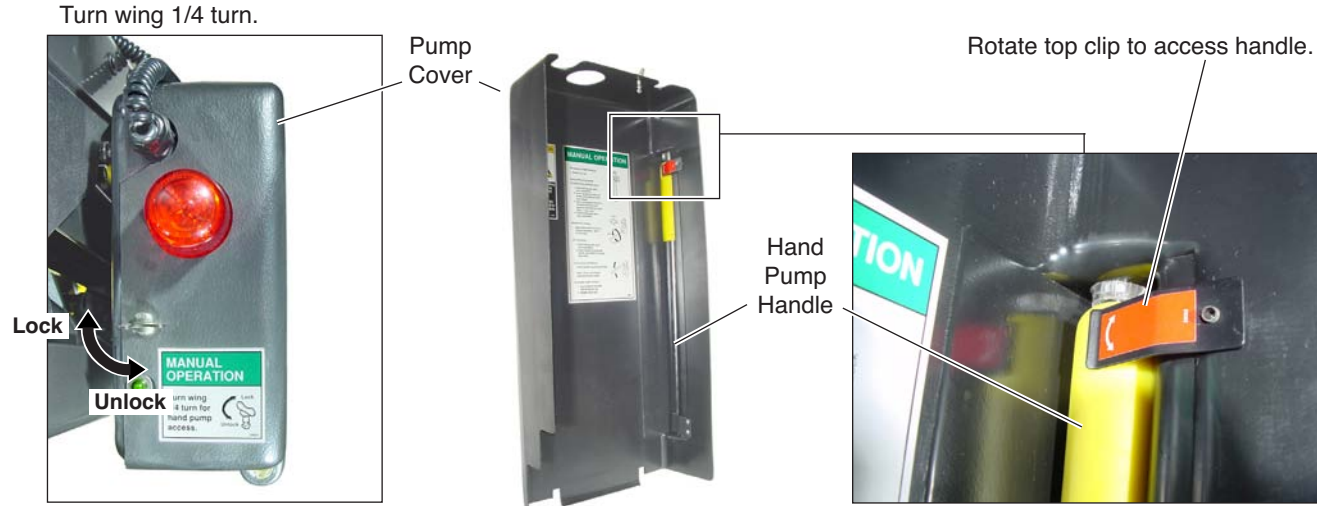
Discontinue lift use immediately if any lift or vehicle interlock does not operate properly. Failure to do so may result in serious bodily injury and/or property damage.

Manual Operating Instructions

If you experience power or equipment failure, refer to the Manual Operating Instructions to operate the lift. Instructions and photos are provided for all

steps that differ from standard lift operation procedures. The Manual Instructions decal (posted inside pump cover) provides manual operating instructions

also. **Note:** A right side pump lift model is depicted in the photos. Left side pump applications are a mirrored image. Refer to the Lift Operating Instructions for all

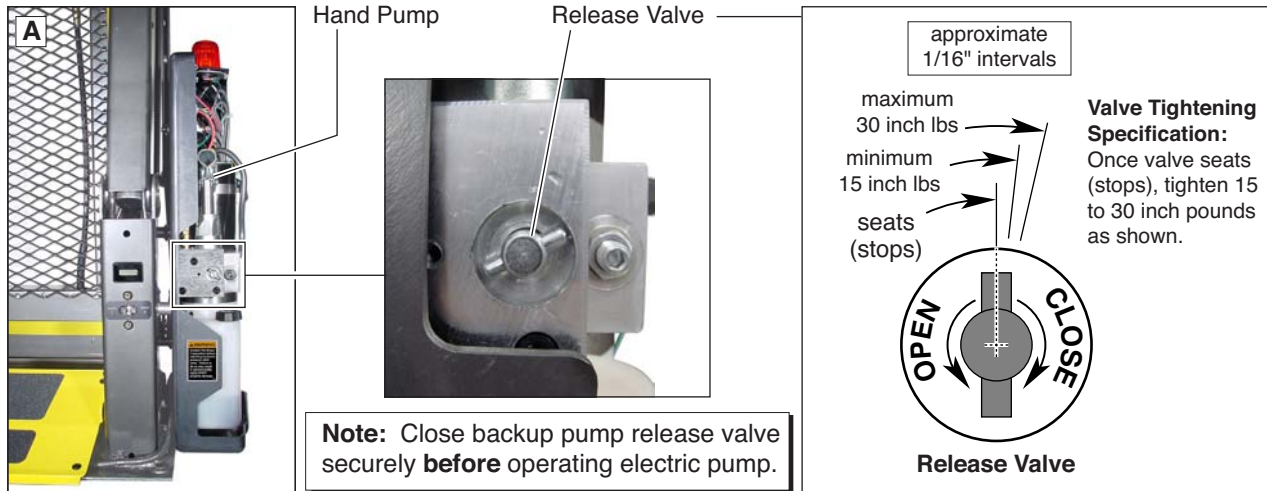


Manual Operating Instructions

normal lift operation procedures (such as loading and unloading passengers). **Follow all Lift Operation Safety Precautions!**

Remove the pump cover to gain access to the pump handle and the hand pump. See photos on page 33. To remove the pump cover, turn the wing nut located

on top 1/4 turn and lift the pump cover off. The pump handle is inside this cover secured by two clips. Rotate the top clip to remove the pump handle.



Manual Operating Instructions

Remove pump cover to access hand pump and pump handle as outlined on page 33. Refer to release valve photos and illustration on page 34.



To Unfold Platform (Out):

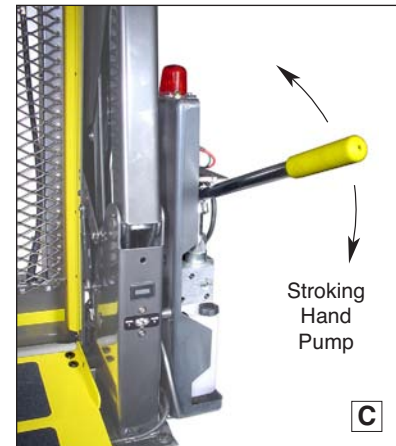
Using hand pump handle (Photo B):

1. Close hand pump valve (place slotted end of pump handle onto backup pump release valve and turn **clockwise**).
2. Insert handle in pump and stroke until platform folds fully (stops).
3. Open hand pump valve (turn **counterclockwise**) until platform reaches floor level. **Open 1/2 turn only.**
4. Close hand pump valve (turn **clockwise**).

Note: Valve must be tight, but **do not** overtighten.

Down (To Lower):

Place slotted end of pump handle onto backup pump release valve and turn **counterclockwise** (open **1/2 turn only**) until the platform reaches ground level and roll stop unfolds.



Manual Operating Instructions

Remove pump cover to access hand pump and pump handle as outlined on page 33. Refer to release valve photos and illustration on page 34.



Up (To Raise):

Using hand pump handle:

1. Place slotted end of pump handle onto backup pump release valve and turn **clockwise** to close securely. See Photo D.

Note: Valve must be tight, but **do not** overtighten.

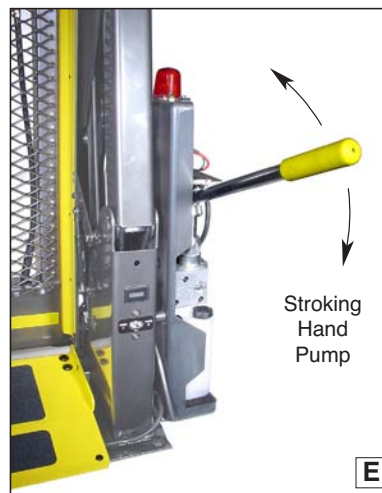
2. Insert handle into backup pump and stroke until platform reaches **floor level** (see Photo E).

To Fold Platform (In):

Insert handle into backup pump and stroke until platform **stops** (folds **fully**). See Photo E.

Note: Close backup pump release valve securely **before** operating electric pump.

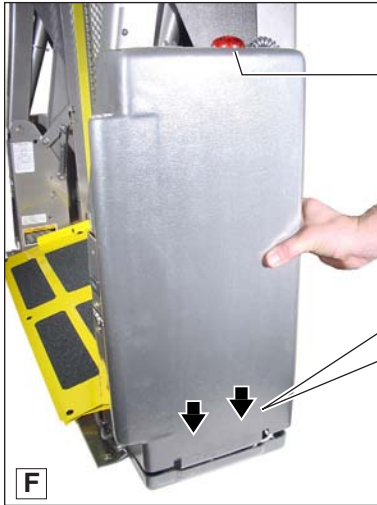
Store pump handle and install pump cover as outlined on page 37.



Manual Operating Instructions

To Store Pump Handle:

1. Insert bottom of handle behind bottom clip. See page 33.
2. Rotate top clip to secure (lock) handle.



To Install Pump Cover:

1. Position cover over module back cover and red warning light. See Photo F.
2. Align outside cover lip with bottom cover offset and insert outside cover. See Photo G.

Position cover over red light.

Align and insert bottom of cover.



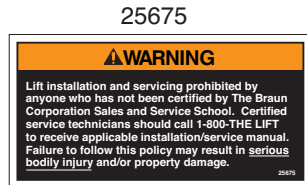
3. Insert wing stud and rotate 1/4 turn to lock cover. See Photo H.



Decals and Antiskid



Note: Clean surfaces as detailed on page 40 before posting decals.

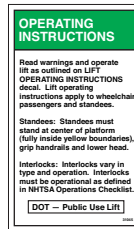


Decals

The lift is only as safe as the operator. Replace any missing, worn or illegible decals! Part numbers are provided for decals. Inspect your lift for missing, worn or illegible decals. Call 1-800-THE LIFT® for replacements.



31045



30695



Decals and Antiskid

Decals

32410

LCD Lift Codes

Listed below are codes that the lift controller outputs during lift operation. The codes will be displayed on an LCD screen located on the lift control board inside the pump module.

Non-Flashing Numbers

- 01 - Platform slowed
- 02 - Platform unloading
- 03 - Platform unloading paused
- 04 - Platform at floor level
- 05 - Platform beginning to lower
- 06 - Platform lowering (threshold cannot be occupied from the point down)
- 07 - Outer barrier moving to horizontal position
- 08 - Platform at ground level
- 09 - Outer barrier moving to vertical position
- 10 - Platform raising
- 11 - Platform raising paused at floor
- 12 - Platform loading (limited pressure)
- 13 - Platform loading (full pressure)
- 14 - Timed fold (caching lift tilt) or (anti-rattle state)
- 15 - Platform folding stopped
- 16 - Paused fold
- 17 - Platform between ground and 3" above ground
- 18 - Platform above 3"
- 19 - Outer barrier moving to horizontal position
- 20 - The doors are not fully opened (only applicable when door operators are installed)
- 21 - The doors are opening (only applicable when door operators are installed)
- 22 - The doors are closing (only applicable when door operators are installed)
- 23 - Regular function not defined
- 24 - Interlock fault not recognized (or has been cleared but a motion button is still pressed)
- 30 - Platform location unknown
- 31 - Platform location transition state; attempting to locate position
- 35 - Two or more motion buttons are being pressed
- 36 - The extension belt cannot be bussed while trying to fold or unfold
- 37 - Motion button being pressed is not a valid motion
- 50 - Outer barrier is not up above inboard barrier locked position
- 51 - Threshold is occupied when platform is 1" or more below floor level
- 52 - Inner rollopp is not up and locked below inner rollopp locked position
- 53 - Inner rollopp occupied sensor is not activated between floor and inner rollopp up position
- 54 - Outer barrier is occupied before it is up
- 55 - Outer barrier is not latched when above the inner rollopp locked position (Mitsubishi only)
- 56 - Outer barrier is not up and latched and bridge switch did not deactivate

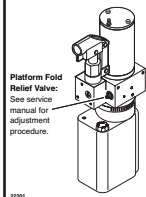
32410

31132



32201

PLATFORM FOLD RELIEF VALVE ADJUSTMENT



32201

29052



31412

MANUAL OPERATION

TO REMOVE PUMP HANDLE:

1. Rotate top clip.



Using hand pump handle:

TO UNFOLD PLATFORM (OUT):

1. Close hand pump valve (turn clockwise).
2. Insert handle in pump and stroke until platform folds fully (tilts).
3. Open hand pump valve (turn counterclockwise) until platform reaches floor level. Open 1/2 turn only.
4. Close hand pump valve (turn clockwise).



DOWN (TO LOWER):

- Open hand pump valve (turn counterclockwise). Open 1/2 turn only.

UP (TO RAISE):

1. Close hand pump valve (turn clockwise).
2. Insert handle in pump and stroke until platform reaches floor level.

TO FOLD PLATFORM (IN):

- Insert handle to pump and stroke.

Note: Close valve before operating electric pump.

TO STORE PUMP HANDLE:

1. Insert bottom of handle behind bottom clip.
2. Rotate clip to lock.

DOT - Public Use Lift

31412

30787



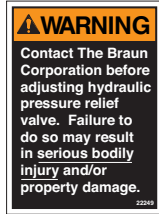
Improper handling and/or servicing procedures may result in electrostatic discharge (ESD)! ESD may result in electronic module damage.

30787

Decals and Antiskid

Decals

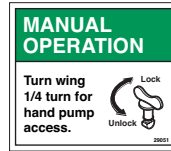
22249



25652



29051



1" Wide Yellow Boundary Tape
30236R
(order by the inch as needed)



18229



Antiskid



Available Antiskid		
Size	Color	Part No.
2" x 12"	Black	#24172-BK
2" x 12"	Yellow	#24172-YL
3" x 8"	Black	#31188-BK
3" x 12"	Black	#24173-BK
3" x 12"	Yellow	#24173-YL
6" x 12"	Black	#24174-BK
6" x 12"	Yellow	#24174-YL

Inspect your lift for any missing or worn antiskid. Order as needed. **Note:** Clean surfaces with isopropyl alcohol before decal or antiskid application. Use a clean cloth or paper towels. **Do not** use oily shop rags. Wipe surface free of residue with dry portion of cleaning cloth.

Maintenance and Lubrication

Proper maintenance is necessary to ensure safe, troublefree operation. Inspecting the lift for any wear, damage or other abnormal conditions should be a part of all transit agencies's daily service program. Simple inspections can detect potential problems.

The maintenance and lubrication procedures specified in the following schedule **must** be performed by a Braun authorized service representative at the scheduled intervals according to the number of cycles.

NCL Series lifts are equipped with hardened pins and self-lubricating bushings to decrease wear, provide smooth operation and extend the service life of the lift.

When servicing the lift at the recommended intervals, inspection and lubrication procedures specified in the previous sections should be repeated. **Clean** the components and the surrounding area **before applying lubricants**.

LPS2 General Purpose Penetrating Oil is recommended where Light Oil is called out. Use of improper lubricants can attract dirt or other contaminants which could result in wear or damage to the components. Platform components exposed to contaminants when lowered to the ground may require extra attention.

Lift components requiring grease are lubricated during assembly procedures. When these components are replaced, grease must be applied during installation procedures. Specified lubricants are available from The Braun Corporation (part numbers provided on page 42).

WARNING

Maintenance and lubrication 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.

Maintenance and Lubrication

All listed inspection, lubrication and maintenance procedures should be repeated at “750 cycle” intervals following the scheduled “4500 Cycles” maintenance. These intervals are a general guideline for scheduling maintenance procedures and will vary according to lift use and conditions. Lifts exposed to severe conditions (weather, environment, contamination, heavy usage, etc.) may require inspection and maintenance procedures to be performed more often than specified.

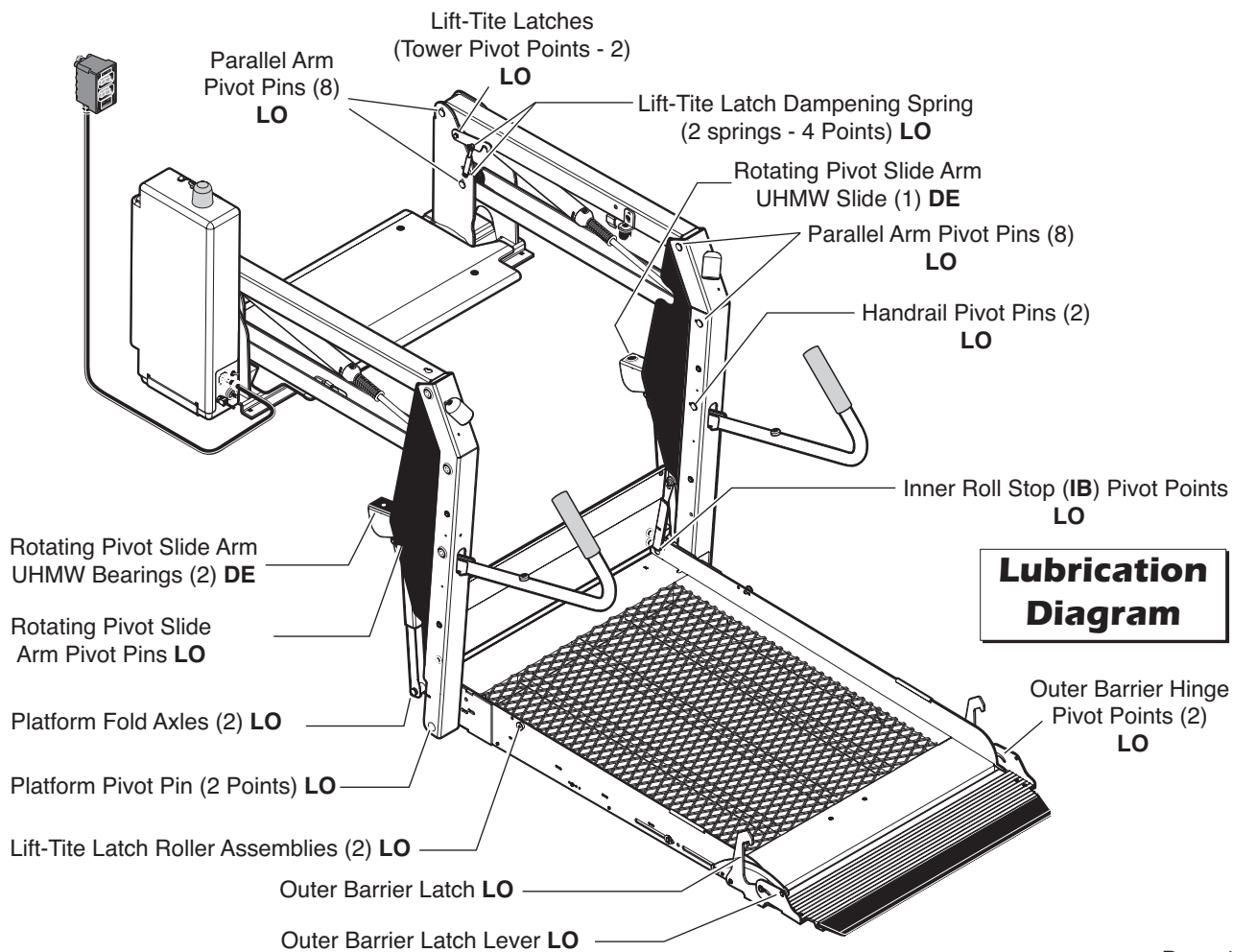
Maintenance Indicator: The Lift Ready green LED mounted on top of the pump cover will begin to blink after every 750 cycles. The blinking LED will not affect the functions of the lift, but is a

reminder to complete necessary maintenance and lubrication. Once the lift has been serviced, fully stow the lift. Once stowed, press the UP button on the hand pendant and the Floor Level Set button on the back side of the pump cover until the Lift Ready green LED stops blinking.

Discontinue lift use immediately if maintenance and lubrication procedures are not properly performed, or if there is any sign of wear, damage or improper operation. Contact your sales representative or call The Braun Corporation at 1-800-THE LIFT®. One of our national Product Support representatives will direct you to an authorized service technician who will inspect your lift.

See the Maintenance/Lubrication Schedule for recommended applications per number of cycles.

Lubricant	Type	Specified (recommended) Lubricant	Available Amount	Braun Part No.
LO - Light Oil	Light Penetrating Oil (30 weight or equivalent)	LPS2, General Purpose Penetrating Oil	11 oz. Aerosol Can	15807
DE - Door-Ease	Stainless Stick Style (tube)	Door-Ease Stick (tube)	1.68 oz.	15806
LG - Light Grease	Light Grease (Multipurpose)	Lubriplate	14 oz. Can	15805



Maintenance and Lubrication Schedule

750 Cycles	Outer barrier hinge pivot points (2)	Apply Light Oil - See Lubrication Diagram
	Outer barrier latch (pivot/slide points)	Apply Light Oil - See Lubrication Diagram
	Outer barrier latch lever pivot points	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latches (tower pivot points - 2)	Apply Light Oil - See Lubrication Diagram
	Lift-Tite™ latch gas (dampening) spring pivot points (2 springs - 4 points)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite™ latches and gas springs for wear or damage (bent, deformed or misaligned), positive securement (external snap rings) and proper operation	Resecure, replace defective parts or otherwise correct as needed. Note: Apply Light Grease to Lift-Tite™ latch tower pivot point if replacing latch.
	Inspect outer barrier for proper operation	Correct or replace defective parts.
	Inspect outer barrier latch for proper operation, positive securement, and detached or missing spring	Correct or replace defective parts and/or relubricate. See Lubrication Diagram
	Inspect lift for wear, damage or any abnormal condition	Correct as needed.
	Inspect lift for rattles	Correct as needed.

Maintenance and Lubrication Schedule

1500 Cycles	Perform all procedures listed in previous section also	
	Platform pivot pin bearings (2)	Apply Light Oil - See Lubrication Diagram
	Platform fold axles (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop (IB) lever bearings (2)	Apply Light Oil - See Lubrication Diagram
	Inner roll stop (IB) lever slot (2)	Apply Light Oil - See Lubrication Diagram
	Rotating pivot slide arm pivot pins (2)	Apply Light Oil - See Lubrication Diagram
	Parallel arm pivot bearings (16)	Apply Light Oil - See Lubrication Diagram
	Handrail pivot pin bearings (4)	Apply Light Oil - See Lubrication Diagram
	Hydraulic cylinder bushings (8)	Apply Light Oil - See Lubrication Diagram
	Inspect Lift-Tite™ latch rollers for wear or damage, positive securement and proper operation (2)	Correct, replace defective parts and/or relubricate.
continued	Inspect inner roll stop (IB) for:	Resecure, replace or correct as needed. See Platform Angle Instructions and Microswitch Adjustment Instructions.
	<ul style="list-style-type: none"> • Wear or damage • Proper operation. Roll stop should just rest on top surface of the base plate. • Positive securement (both ends) 	

Maintenance and Lubrication Schedule

continued	Perform all procedures listed in previous section also	
1500 Cycles	Inspect handrail components for wear or damage, and for proper operation	Replace defective parts.
	Inspect microswitches for securement and proper adjustment.	Resecure, replace or adjust as needed. See Microswitch Adjustment Instructions.
	Make sure lift operates smoothly	Realign towers and vertical arms. Lubricate or correct as needed.
	Inspect external snap rings: <ul style="list-style-type: none">• Handrail pivot pins (2 per pin)• Platform slide/rotate pivot pins (2 per pin)• Platform fold axles (1 per axle)• Inner roll stop (IB) lever bracket pins (1 per pin)• Lift-Tite™ latch gas (dampening) spring (2 per spring)	Resecure or replace if needed.
	Inspect platform fold axles and bearings for wear or damage and positive securement	Replace defective parts and resecure as needed. Apply Light Oil.

Maintenance and Lubrication Schedule

<p>1500 Cycles</p>	<div> Remove pump module cover and inspect: <ul style="list-style-type: none"> Hydraulic hoses, fittings and connections for wear or leaks Harness cables, wires, terminals and connections for securement or damage Control board, circuit breaker, power switch and lights for securement or damage </div> <div> Resecure, replace or correct as needed. </div>
<p>4500 Cycles</p> <p>continued</p>	<div> <div>Perform all procedures listed in previous sections also</div> <div> Inspect cotter pins on platform pivot pin (2) <div>Resecure, replace or correct as needed</div> </div> <div> Hydraulic Fluid (Pump) - Check level. Note: Fluid should be changed if there is visible contamination. Inspect the hydraulic system (cylinder, hoses, fittings, seals, etc.) for leaks if fluid level is low. <div> Use Braun 32840-QT (Exxon® Univis HVI 26) hydraulic fluid (do not mix with Dextron III or other hydraulic fluids). Check fluid level with platform lowered fully and roll stop unfolded fully. Fill to within 1/2" of the bottom of the 1-1/2" fill tube (neck). </div> </div> <div> Inspect cylinders, fittings and hydraulic connections for wear, damage or leaks <div>Tighten, repair or replace if needed.</div> </div> <div> Inspect parallel arms, bushings and pivot pins for visible wear or damage <div>Replace if needed.</div> </div> </div>

Maintenance and Lubrication Schedule

continued	Perform all procedures listed in previous section also	
4500 Cycles	Inspect parallel arm pivot pin mounting bolts (8)	Tighten or replace if needed.
	Inspect platform pivot pin, bushings and vertical arms for wear, damage and positive securement	Replace defective parts and resecure as needed. Apply Light Grease during reassembly procedures.
	Inspect upper/lower fold arms, rotating pivot slide arms, slide support arms and associated pivot pins, bushings, and bearings for visible wear or damage	Replace if needed.
	Inspect gas springs (cylinders) for wear or damage, proper operation and positive securement (IB)	Tighten, replace or correct as needed
	Inspect rotating pivot slide arm UHMW slide bearings (buttons - 2) and UHMW slide (1)	Apply Door-Ease or replace if needed. See Lubrication Diagram.
	Inspect vertical arm plastic covers	Resecure or replace if needed.
	Inspect power cable	Resecure, repair or replace if needed.

Maintenance and Lubrication Schedule

<p>4500 Cycles</p>	<p>Mounting</p> <p>Decals and Antiskid</p> <p>Check to see that the lift is securely anchored to the vehicle and there are no loose bolts, broken welds, or stress fractures.</p> <p>Replace decals if worn, missing or illegible. Replace antiskid if worn or missing. See Decals and Antiskid section on pages 35-37.</p>
<p>Consecutive 750 Cycle Intervals</p>	<p>Repeat all previously listed inspection, lubrication and maintenance procedures at 750 cycle intervals.</p>

"Providing Access to the World®"





Century Series Lift Braun "Worry-Free" Five-Year Limited Warranty

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

This warranty commences on the date the lift is put into service, providing the warranty registration card is completed and received by The Braun Corporation within twenty days of purchase. If no warranty card is received, the warranty will expire three years from the date of manufacture as identified on the lift serial number tag.

This warranty also covers the cost of labor for the repair or replacement of parts for three years when performed by an approved Braun Dealer. (A labor schedule determines cost allowance for repairs, which can be provided upon request by an approved Braun Dealer).

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

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

* The five-year portion of this warranty covers the following lift's power train parts:

- Cable ▪ Cylinder ▪ Flow Control ▪ Gear Box ▪ Motor ▪ Pump ▪ Hydraulic Hose & Fittings
- Solid State Controller

All remaining lift components are covered by a three-year warranty.

Operator's Manual

NCL Series

Public Use Wheelchair Lifts

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



GO-ES Seat with
optional 202A
Headrests

Available as a
Rigid, Flip,
SplitFlip, or
SpaceSaver
Foldaway Seat!

GO-ES Seat

COMMERCIAL BUS / PASSENGER VAN / CAMPER VAN

The Freedman GO-ES Seat is designed for flexibility to accommodate your passengers' growing needs. Options are modular and can be installed at any time. Now available as a SplitFlip or Foldaway to accommodate varying combinations for added aisle space, wheelchair accessibility, strollers, shopping carts and much more. A favorite for buses and overlanding vans.

See *SpaceSaver
Foldaway* Brochure
for more information.



features & benefits

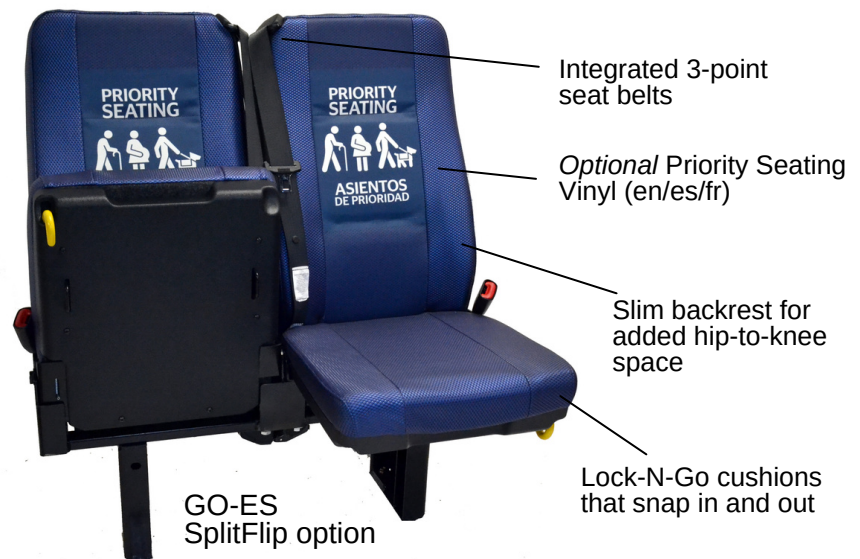
- Complies with FMVSS 207/210 and 202A (with optional 202A headrest)
- External 3-point seat belts
- Lightweight
- Modular options that can be installed in-vehicle
- Decreased maintenance and installation costs

options

- Offered in rigid, foldaway and flip seat variations
- 16" and 19" widths (rigid model only)
- 17 1/2" width
- USR belts
- Molded grab handle
- US Arms
- CRS 225 hooks & tether
- Mesh map pocket
- 110V and USB outlets
- FTA Foam
- TDSS Tie Down Storage System
- PPE Anti-microbial Grab Rails and US Armrests
- PPE Social Distance Seat Bands*
- PPE Passenger Sneeze Guards*
- SeatLink™ seat information tracking system



*PPE available through FMS Seating. Contact FMS Customer Service at (574) 542-2001.



FREEDMAN®
SEATING COMPANY

4545 W. Augusta Blvd., Chicago, IL 60651
(773) 524-2440 (800) 443-4540 Fax (773) 252-7450
freedmanseating.com | 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.



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

Freedman In-Stock Upholstery Program

As of November 7, 2023

	FSC PN	All	Combo
LEVEL 1			Oxen Vinyl
	62000001	001	Black
	62000641	641	Dark Brown
	62000642	642	Dark Blue
	62000643	643	Crimson Red
	62000644	644	Saddle Tan
	62000672	672	Gray
			Newport Vinyl
	62000624	624	Regatta Blue
	62000685	685	Burgundy
LEVEL 2	62000686	686	Ash Gray
	62000688	688	Cadet Blue
	62000691	691	Sea Green
			Olefin Fabric
	61000055	055	Blueberry
	61000056	056	Sand
	61000057	057	Charcoal Gray
	61000058	058	Wine
			Predictions Vinyl
	62000588	588	Ivy Green
LEVEL 3	62000595	595	Silversurf Gray
	62000600	600	Clipper Blue
	62000607	607	Claret
	62000610	610	Misty Bay Gray
	62000612	612	Indigo Blue
			Regions Fabric
	61136023	409	Pacific Rosa
	51318001-Q8	400	Pacific Gray
	51318001-Q4	401	Pacific Green
	51318001-Q5	402	Pacific Navy
LEVEL 4	51318001-Q6	403	Pacific Dark Blue
	51318001-Q7	404	Pacific Black
	51318001-Q9	405	Midwest Merlot
	51318001-Q0	406	Midwest Pippin
	51318001-QA	407	Midwest Bluette
	51318001-QB	408	Midwest Blackberry
			Sierra Leathermate Vinyl
	62000206	206	Raven Black
	62000207	207	Adriatic Blue
	62000208	208	Light Gray
LEVEL 5	62000209	209	Garnet
			BusTextil Plush L4*
	61108017	110	Chance Black
	61108302	123	Incense Blue
	61108078	021	Incense Rainbow
	61000152	152	Orbit Blue
	61000154	154	Pennant Blue
	61000157	157	Flags Gray
	61000159	159	Orbit Gray
	61136021	275	Majestic Blue (A)
LEVEL 6	61136022	277	Majestic Ruby (A)
	61136002	340	Boomer Blue (A)
	61136008	341	Boomer Gray (A)
	61136000	342	Polaris Blue (A)
	61136009	343	Hermes Navy Blue (A)
	61000156	156 823	Blue Bolster
	61108051	151 824	Gray Bolster
	61108045	830 825	Black Bolster
			Ion Vinyl
	62108089	119	Late Evening Blue
LEVEL 7	82008025	120	Charcoal
			Morbern Vinyl
	51318001-E4	006	Arc Dragonfly
	51318001-4Y	007	Arc Nightingale
	61113004	004	Wave Freestyle Blue
	51318001-R4	005	Wave Rocket
	51318001-S6	003	Priority Vinyl English/Spanish
	51318001-F1	010	Priority Vinyl English/French
			Camira Polyester
	61111282	013	Fireworks Blue
LEVEL 8	61111283	015	Circuit Board Blue
	61111284	031	Wallpaper Bubbles Blue
	61111285		Dots Blue
	61111286	033	Fireworks Gray
	61111287	049	Circuit Board Gray
	61111288	054	Wallpaper Bubbles Gray
	61111289		Dots Gray
			Milano Vinyl*
	62108077	815 816	Pewter
	62108079	817 818	Papyrus
LEVEL 9	62108078	819 820	Black
	62108080	821 822	Chianti
			NPF Fabric**
	61108081	022 039	River
	61108082	023 040	Tumbler
			Tower 4000 Plush
	61108075	024 025	Blue
	61108076	026 027	Rainbow
	61108077	028 029	Green
			D-90 Vinyl
LEVEL 10	62108000	114	Gray
	62108008	115	Mushroom
	62108042	116	Blue
	62108043	117	Wine
			BT Docket 90 Vinyl
	62142000		Embossed Blue
	62142001		Embossed Gray
	62142002		Smooth Gray
	62142003		Smooth Blue
			BusTextil Plush L6
LEVEL 11	61108079	035 036	Southbeach Blue
	61108080	037 038	Twilight Gray
			Morbern Hidden Creek
	62113008	410	Marsh
			Level 4
	61136028	045 050	Rock Gray
	61136029	046 051	Rock Red
	61136030	047 052	Rock Blue
			Level 5
			Combines Rock & Gem
LEVEL 12			Level 6
	61136025	070 050	Gem Gray
	61136027	071 051	Gem Red
	61136026	072 052	Gem Blue
			Level 6
	61108083	043	Vanes Blue w/D-90 trim
	61108084	044	Vanes Gray w/D-90 trim
			Level 7
	61108083	041	Vanes Blue
	61108084	042	Vanes Gray
LEVEL 13			Level 5
	62116006	264	PreVail Standard Gray
	62116007	265	PreVail Standard Blue
			Level 6
	62116004	262	Prevail AK KEVLAR Gray
	62116005	263	Prevail AK KEVLAR Blue
	62000318	268	FR Blok 2000 PermaGuard Gray
			Other
	64000064		Gray Carpet
	51318001-V5		Black Carpet

Use All Over or Combo Number when ordering seats.

Use FSC PN when ordering upholstery only.

(A) Amaya Fabric Program

Refer to cell *comments* for *combo* details. This info also available at www.freedmanseating.com.



FREEDMAN®

SEATING COMPANY

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Gateway

High Idle and Shift Interlock System

Overview

- All-in-one wheelchair interlock and high idle system to ensure full functionality of the vehicle's systems while using the lift
- Provides battery charge protection and improves air conditioning performance
- System is fully compliant with FMVSS 403/404 and the Americans with Disabilities Act (ADA) for wheelchair lift interlocks
- Simple plug and play connection to the OEM chassis

Features

- Prevents vehicle movement while the lift is in use by locking the shifter in Park
- Monitors OEM sensor inputs from the transmission, engine, charging system and ambient air temperature
- Programmable RPM for high idle
- Prevents driving with the park brake set
- Can provide real-time chassis data
- Diagnostic trouble codes available
- Uses Intermittent Fault Filter™ (IFF) technology to eliminate erroneous lift door signals

*Some features vary by chassis.
See instructions for complete details.*

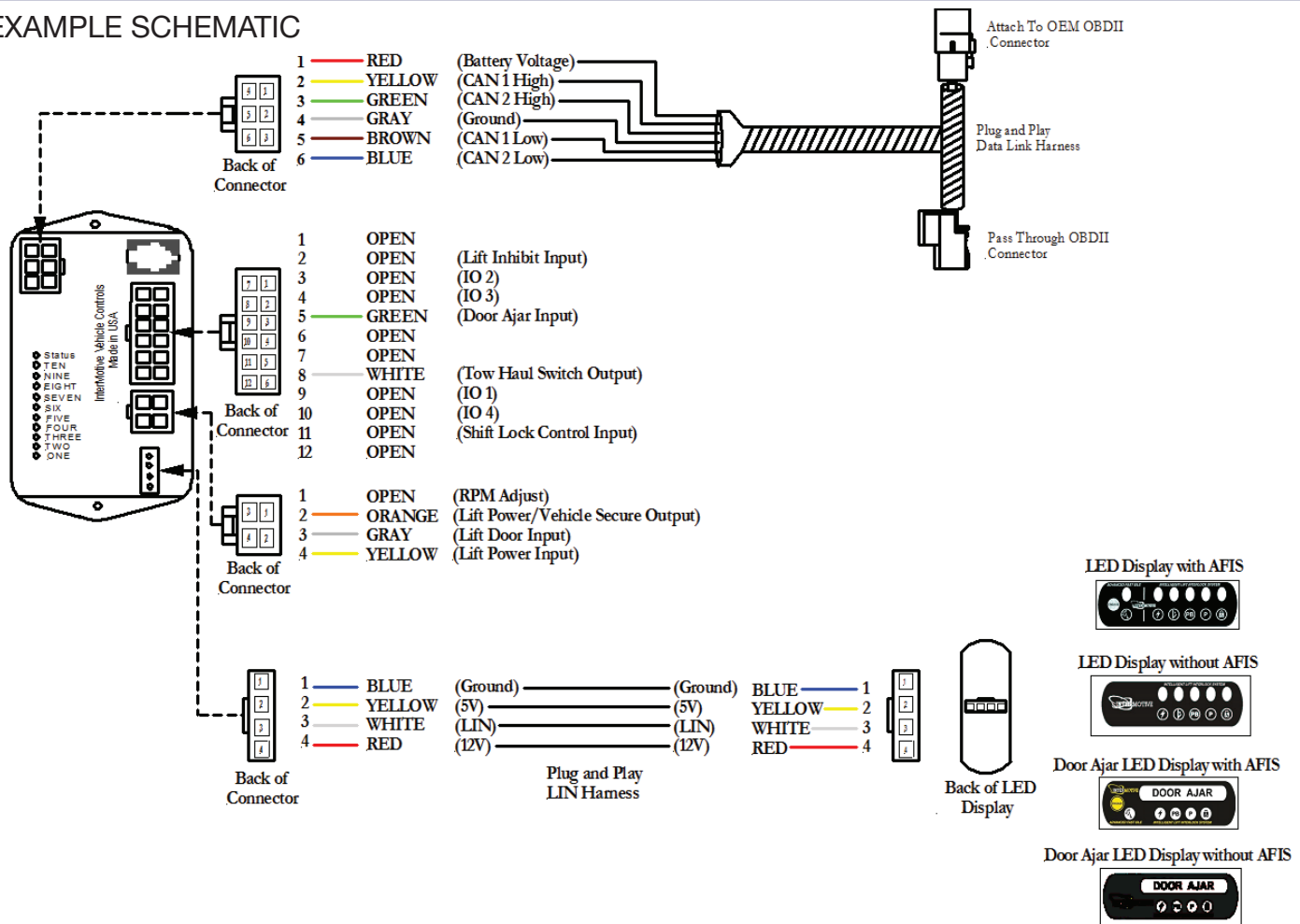
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AUTOMOTIVE TECHNOLOGIES

(775) 831-2002

Details

EXAMPLE SCHEMATIC



SPECIFICATIONS

Number of Inputs	Five inputs (lift inhibit, door ajar, shift lock, lift door and RPM adjust)
Number of Outputs	Four configurable outputs, plus one lift power/vehicle secure output and one tow haul switch output
Current Draw	~120 mA
Quiescent Draw	~2 mA (sleep current)
CAN Speed	High and medium speed
Temperature Range	-40°C to 80°C
Dimensions	4" L x 2" W x 1" H

IdleLock

INTERMOTIVE

**VEHICLE
CONTROLS**

An ISO 9001:2008 Registered Company

IdleLock™

Secure Idling with Key Removed

Overview

- Anti-theft system that allows the vehicle to idle with the key removed from the ignition and the transmission locked in Park
- Activated by pressing an enable switch and removing the key; inserting the key and turning it to run restores normal operation
- Simple plug and play connections
- Easy to install; no cutting of factory wires

Features

- **SAFE:** Walk away from your idling vehicle with confidence that everything is safely locked
- **FULL FUNCTIONALITY:** All lights, equipment and HVAC is still fully functional while engaged
- **SECURE:** The engine shuts off if an unauthorized person tries to shift out of Park without the key in the ignition
- Also provides a shift lock that can be used as an interlock for the rear door, or to secure the trunk or gun rack for police vehicles



Ignition switch "T" harness shown

Product features may vary by make, model or year. See instructions for complete details.

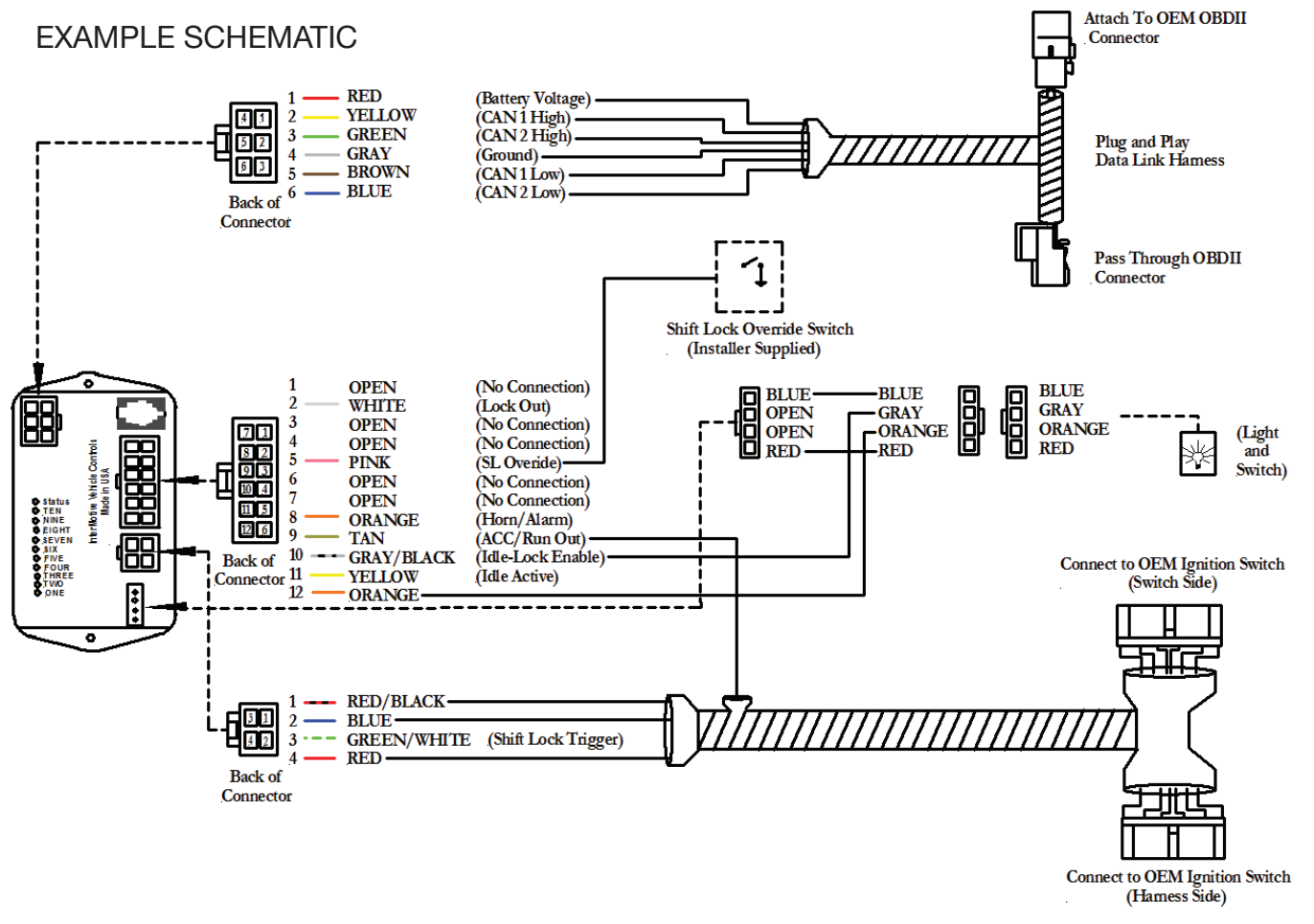
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Details

EXAMPLE SCHEMATIC



SPECIFICATIONS

Number of Inputs Three active inputs (one high, two low)

Number of Outputs Three active outputs (two high, one low)

Current Draw 120 mA

Quiescent Draw < 2 mA (sleep current)

Temperature Range -40°C to 80°C

Dimensions 3" L x 2" W x 1" H

QRT[®]-1 SERIES



MAX / DELUXE / STANDARD
4-POINT SECUREMENT
WHEELCHAIR RETRACTORS



QRT[®]-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.

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



WWW.QSTRAINT.COM/QRT-1-SERIES

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QRT[®]-1 SERIES

USER INSTRUCTIONS

A SECURE WHEELCHAIR

1. Place wheelchair facing forward in securement area; apply wheel locks or turn power off.
2. Attach tie-downs into floor anchorages (**Fig. 1**) and ensure they are locked in.
3. Attach the four tie-down hooks to solid frame members or weldments, near seat level. Ensure tie-downs are fixed at approximately 45 degrees, and are within angles shown in (**Fig. 2**). Do not attach hooks to wheels, plastic, or removable parts of wheelchair.
4. Ensure all tie-downs are locked and properly tensioned. If necessary, rock wheelchair back and forth or manually tension retractor knobs (if present) to take up additional webbing slack.



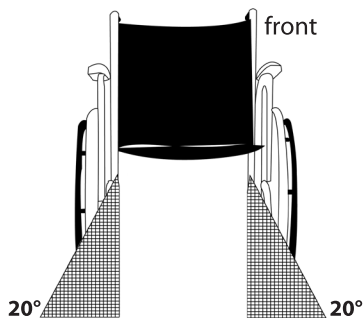
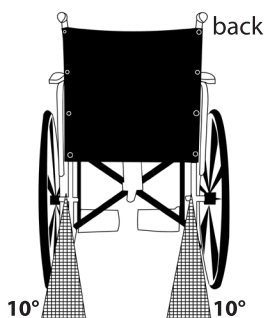
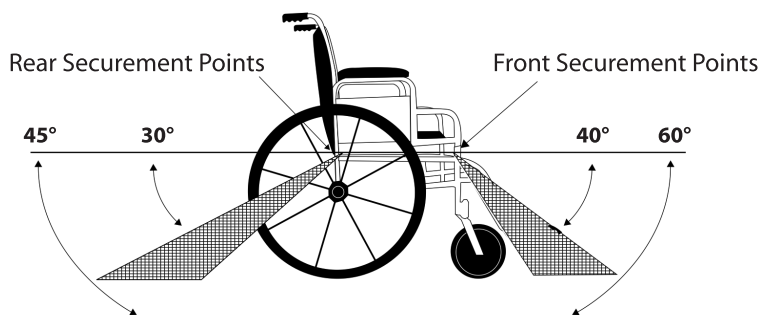
WARNING:

- Do not allow webbing to get twisted inside retractors.
- Wheelchair accessories and equipment should be properly secured or removed from wheelchair and secured in the vehicle during transportation.
- Whenever possible, items attached to wheelchair in front of the passenger should be removed and secured separately during transportation.

FIG. 1: Floor Anchorages



FIG. 2: Tie-Down Angles



B

SECURE PASSENGER

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 tie-down pin connector (**Fig. 4**); ensuring buckle rests on passenger's hip.
 - b. On the window-side, attach belt **with male tongue 2** to rear tie-down pin connector (**Fig. 4**) and insert into female buckle **1**.
2. **Attach Shoulder Belt** - Extend shoulder belt over passenger's shoulder and across upper torso (**Fig. 3**), and fasten pin connector **3** onto lap belt **2**.

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

3. Ensure belts are adjusted as firmly as possible, but consistent with user comfort.



WARNING:

- Lap and shoulder belt should not be held away from passenger's body by wheelchair components or parts such as the wheelchair's wheels, armrests, panels or frame (**Fig. 5**).
- Never rely on wheelchair's lap belt or a postural support belt unless properly approved & crash tested.
- Ensure belt webbing is not twisted while being worn by passenger.
- Occupant belts should always bear upon the bony structure of passenger's body and be worn low across the front of the pelvis, with the junction between lap and shoulder belts located near passenger's hip.

FIG. 3: Occupant Restraints

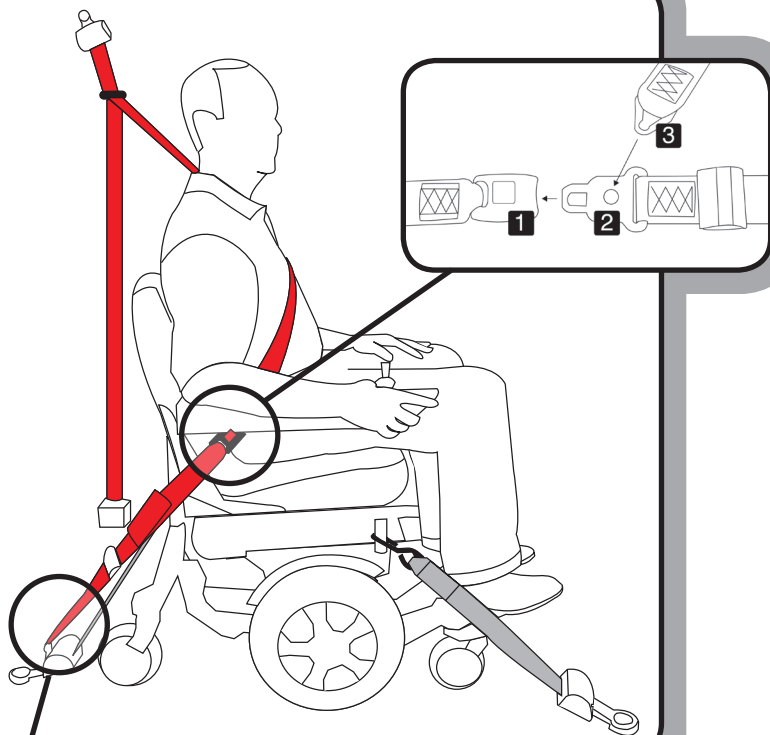
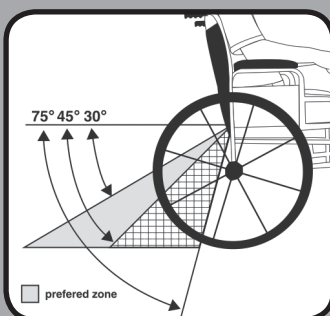
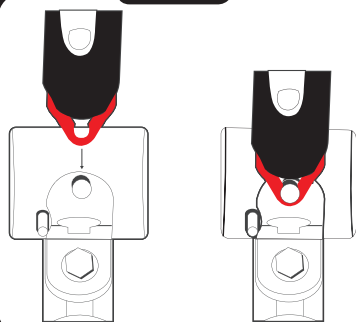


FIG. 4





RELEASE PASSENGER

1. Carefully remove passenger's shoulder and lap belts (Reverse Step B above).
2. **Unhook front and rear tie-downs** from wheelchair by pressing red release levers on retractors, or activating any remote release or time-delay equipment.
3. Unlock wheels or turn power on, and direct or move passenger out of wheelchair securement area.

RESTRAINTS SHOULD NOT BE HELD AWAY
FROM BODY BY WHEELCHAIR COMPONENTS.





MAINTENANCE & CARE

- Always keep belts clean and off the floor by using a storage device such as the Q'Straint wall pouch. One (1) storage device per wheelchair location is recommended.
- All systems and components should be regularly inspected, cleaned, and maintained.
 - Clean webbing periodically with mild soap & water. After cleaning, fully extend belts (and position them to prevent water from entering retractors) until completely dry. Take care to prevent contamination of the webbing with polishes, oils or other chemicals (particularly battery acid).
 - Occasionally lubricate any buckles or fittings, being careful not to contaminate the webbing.
 - Clean bolt threads and re-apply permanent thread locker if bolts are adjusted.
- Frayed, contaminated or damaged webbing should be replaced immediately.
- Systems or components showing signs of missing parts, excessive damage or wear, or are suspected to have been in use during a vehicle accident from which the vehicle has been towed, should be replaced.



WARNINGS

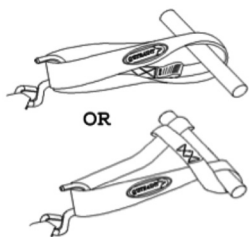
- Systems should only be used with forward facing wheelchairs
- Q'Straint 4-Point Securement systems and components comply with all applicable requirements of related safety regulations and standards including ADA, FMVSS & CMVSS 209/210/222/302, CSA Z605 & D409, AS-2942-1994, CE Directive 93/42/EEC, and SAE J2249* & ISO 10542*, 2007/46/EC, 2001/85/EC.

* Systems are dynamically crash tested to 30mph (48kph), 20g, using an 85kg forward facing surrogate wheelchair and a 76.3kg Anthropomorphic Test Dummy (ATD). The ATD is restrained by both lap (pelvic) and shoulder (upper-torso) restraints; use of only a lap restraint may compromise the performance of the system.

*'A'-Series track have not been tested to comply with SAE J2249 & ISO 10542.
- Wheelchair Securement System should be used as shown in these instructions.
- Do not mix parts and components from other manufacturers to make a complete system.
- Report all potential damage and defects to your supervisor.
- In the event of any questions relating to method of installation and/or use of wheelchair & occupant securement systems (and components), please consult your nearest Q'Straint office.
- For additional instruction and details, please refer to User Instruction Booklet for 4-Point Systems (Part # Q5-1160).

Having trouble with hard-to-reach securement points?

Q'Straint recommends our **Webbing Loops**. (Part #Q5-7580)



Webbing Loops are the perfect solution when securement points on wheelchairs are too difficult to reach with hooks.

For more information, visit Qstraint.com

We began with a simple question:

How can wheelchair passengers be safely secured in vehicles?

The question was answered by a team of specialists from Queens University in Ontario, Canada (hence the crown in our corporate logo). Realizing that wheelchair passengers have very unique safety needs, their research led to the development of the world's first fully integrated 4-point wheelchair passenger securement system.

Now a quarter of a century later, Q'Straint continues to build on a tradition of innovation and a reputation for excellence, by developing the world's highest quality, most state-of-the-art wheelchair passenger safety solutions for both public and private transportation.



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