

# ABILITRAX

MADE IN AMERICA

*Flexible Anytime, Transformable Forever*



 **SHIFT-N-STEP**

Patent Pending Products Including SNS  
AbiliTrax Floor: US Patent #9,610,861  
Step N Lock Seat: US Patent #9,550,436



## SYSTEM SUMMARY

### Versatility & Flexibility

- AbiliTrax Step N Lock Quick Disconnect Seats allow for seat re-positioning or total removal and are a foot activated system, eliminating the need to bend onto the floor to operate.
- AbiliTrax is a "Universal Platform Design" meaning that every system is engineered with equal number of tracks in each floor system, with an equal distance from each other.
- This universal platform allows the system to be reconfigured (seat positions, lift positions, etc) throughout the life of your vehicle.
- All AbiliTrax components (seats, accessories, lift kits) can be swapped between any other vehicle within your fleet with an AbiliTrax flooring system, including different model vehicles (Ford Transit, RAM ProMaster, Mercedes Sprinter)

### Strength

- AbiliTrax is secured with strategically located corrosion resistant Grade 8 hardened steel with galvanized washers & fasteners giving the entire floor system unsurpassed structural soundness and safety.
- Designed to attach a lift directly to our rail system which has passed a 3,000lb load test. (No additional drilling into the mobility flooring or factory flooring)
- Able to secure a 1,000lb side entry lift (rear entry as well)
- Allows Double Fold Away Seats to be installed directly into our rails (No additional drilling into the mobility flooring or factory flooring)

### Innovation

- Heat channels incorporated through air vents in the floor to allow heat to be evenly distributed
- Open Channel Track System - the entire length of track is open to ensure there is never stuck debris in your way and allow for easy cleaning with air or water pressure.
- The Line-X floor covering, which encompasses our entire flooring system, has been tested and has passed as both non-skid surface and impervious to moisture.
- Our floor is engineered to allow the tracking to lay into the floor making the overall system a flatter surface than other systems and easier to roll across
- The step well lip (similar to the lip on a set of stairs in a home) is simply for ease of access as your entering.

### Safety & Regulations

- All seats are FMVSS and CMVSS tested (and scored well above the criteria required)
- Our Step N Lock latching mechanism will only work if the seat is installed 100% into the track, eliminating operator error.
- 100% ADA Compliant
- FMVSS 403 & 404 Compliant on all NHTSA approved 800lb lifts. Passed Static Load Weight Tests on both Braun and Ricon 800lb lift models as well as the Ricon 1,000lb Titanium Lift.
- Made and Manufactured in New York complying to all Buy America Regulations

### Cost

- The versatility and durability of the AbiliTrax system provides lower overall cost of ownership (actually outlives the life of the chassis!)

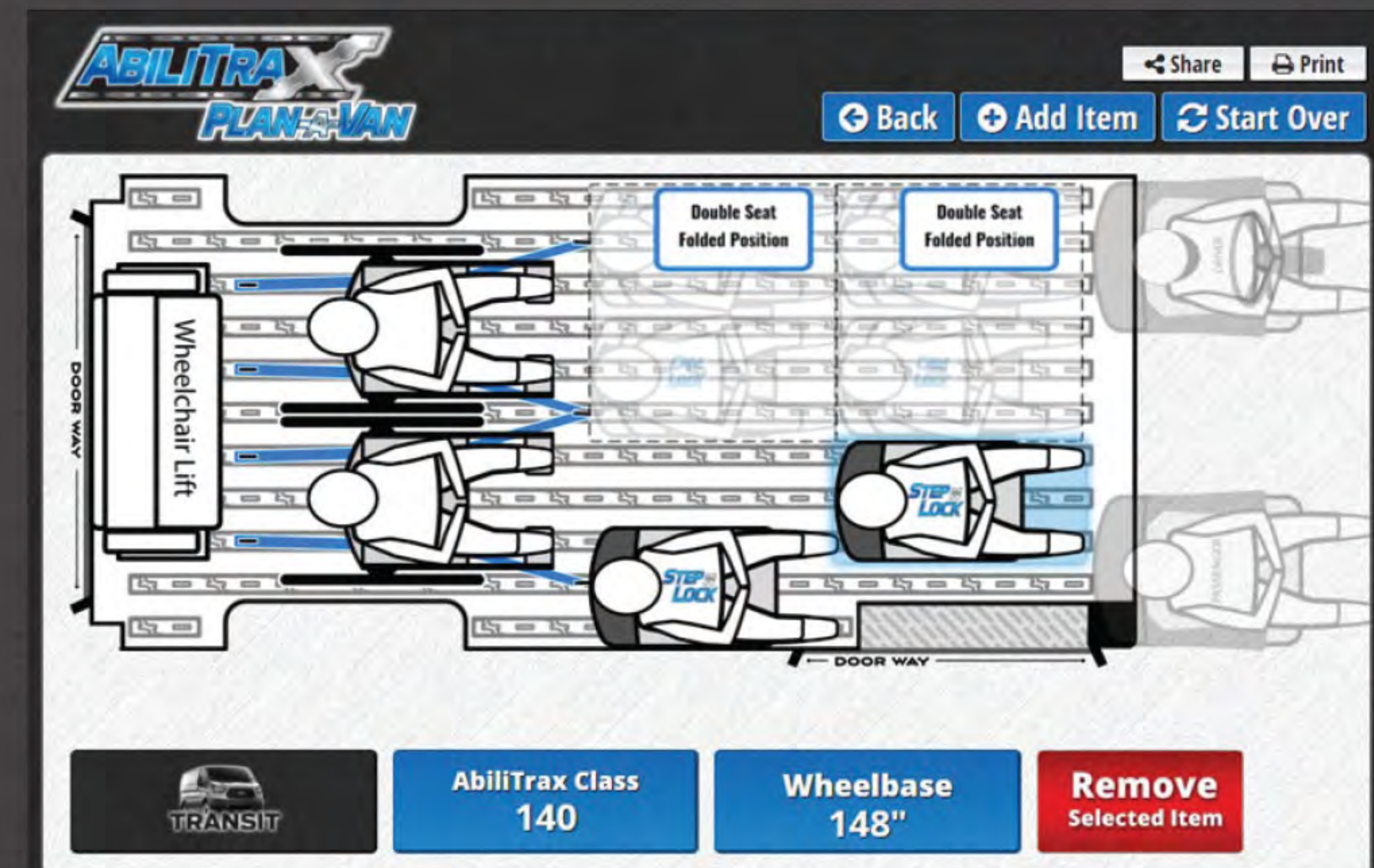
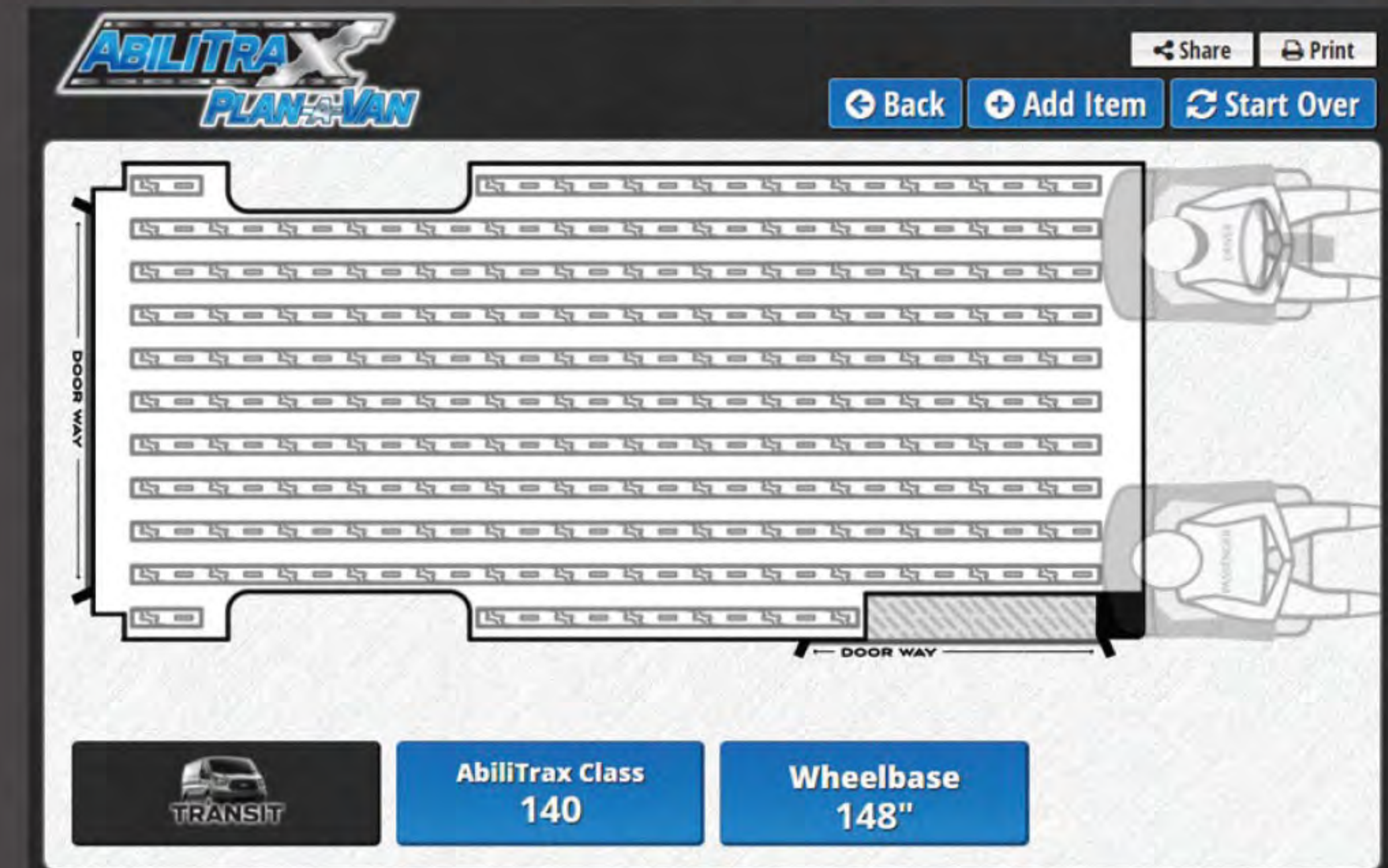


# PLAN-A-VAN

Build a custom vehicle for your specific needs with the AbiliTrax Plan-A-Van  
Design your interior layout and email your AbiliTrax Dealer for pricing & info!

AbiliTrax Vehicle Floor Plan Layout Designer

AbiliTrax Class Chart →	100" Class	120" Class	140" Class	160" Class	170" Class	180" Class
<b>TRANSIT</b> Ford Transit	N/A	Design It 130" Wheelbase	Design It 148" Wheelbase	N/A	Standard 148" Wheelbase Dual Rear Wheel 148" Wheelbase	N/A
<b>PROMASTER</b> Dodge ProMaster	Design It 118" Wheelbase	Design It 136" Wheelbase	Design It 155" Wheelbase	Design It 159" Wheelbase	N/A	N/A
<b>SPRINTER</b> Mercedes Sprinter	N/A	Design It 144" Wheelbase	N/A	N/A	Design It 170" Wheelbase	Design It 180" Wheelbase



www.abilitrax.com

## OPEN CHANNEL TRACK SYSTEM

The entire length of track is open to ensure there is never debris in your way and allow for easy cleaning with a heavy-duty shop vac, or if necessary, can be flushed out using controlled water pressure.



FEATURES EXCLUSIVE TO ABILITRAX



BRAND „X“  
FLOOR SYSTEM

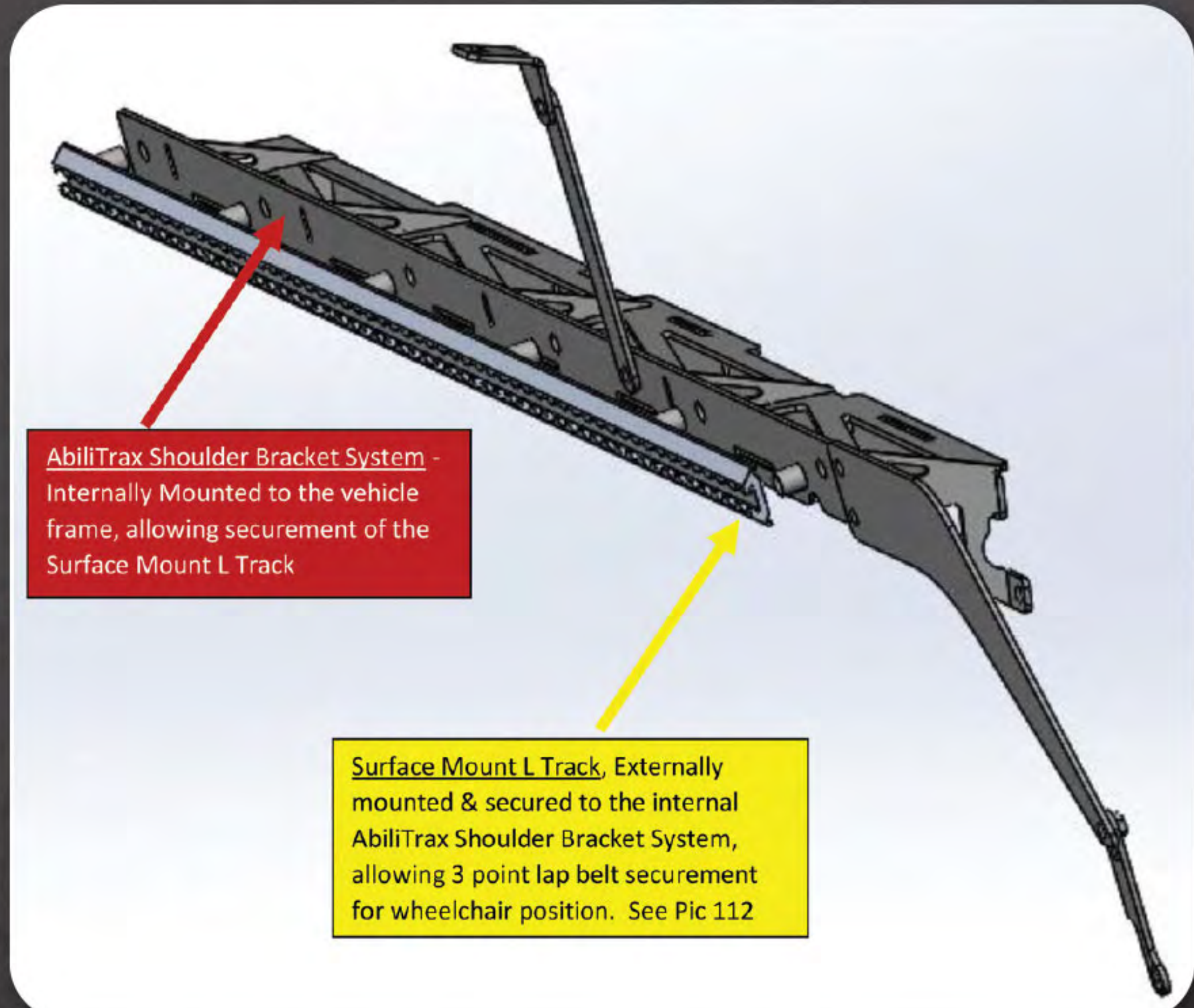
WELD IN  
FLOORING

	YES	NO	YES
Made in the USA	YES	NO	YES
Universal Design allows interchangeable seating and accessories (including lift kits) to change location within the vehicle or any other vehicle at any time	✓	✗	✗
FMVSS 403 & 404 Compliant on all NHTSA approved 800lb lifts. Passed Static Load Weight Tests on both Braun and Ricon 800lb lift models	✓	✗	✗
FMVSS Compliant on the 1,000 lb. Ricon Titanium Lift	✓	✗	✗
Hands Free & No Bending Required Quick Disconnect Seating	✓	✗	✗
Heat Vents in the floor to evenly distribute factory Heat System	✓	✗	✗
Accommodates both A & L Style Tie Down Fittings	✓	✗	✗
Double Foldaway Bolts to Track System	✓	✗	✗
Able to secure a 1,000 lb side lift direct to the track (no altering of the factory floor)	✓	✗	✗
Electrical Chase (Protects Rear Lift Wiring)	✓	✗	✗



## COMPONENTS / ACCESSORIES / LIFTS

### SHOULDER BRACKET SYSTEM



### GRAB BARS

Available in Stainless Steel & Dipped Yellow Commercial Applications



### ABILITRAX WHEELCHAIR SECUREMENT

Only system offered that holds both legs of the chair increasing stability and decreasing rattling



FMVSS 403 & 404

### RUNNING BOARDS

Stainless Steel 8" Platform with Non-Slip Surface



### COT MOUNTS

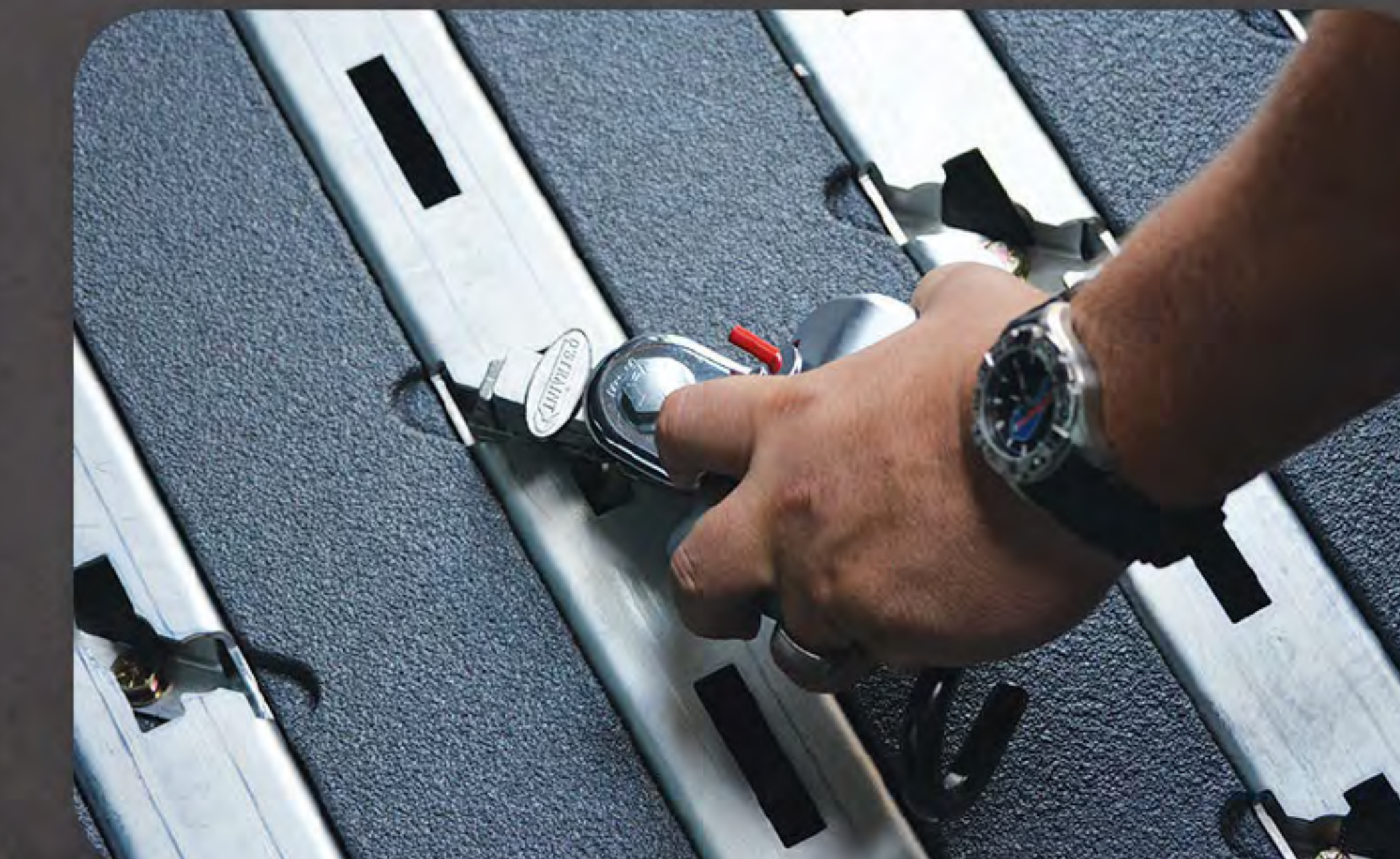


### WHEELCHAIR TIE DOWNS

Track accepts both "A" and "L" style tie down fittings



"A" Style - Securable in all track openings



"L" Style - Securable in every diagonal track opening

### WHEELCHAIR LIFTS (FMVSS 403 & 404 Compliant)



Side Lift



Rear Lift



Passed FMVSS Static Load Tests on both Braun & Ricon Models

## Curbside Wheelchair Lift Service

Accommodates  
1,000lb Lift

## Shift

## 30" Curbside Ambulatory Service

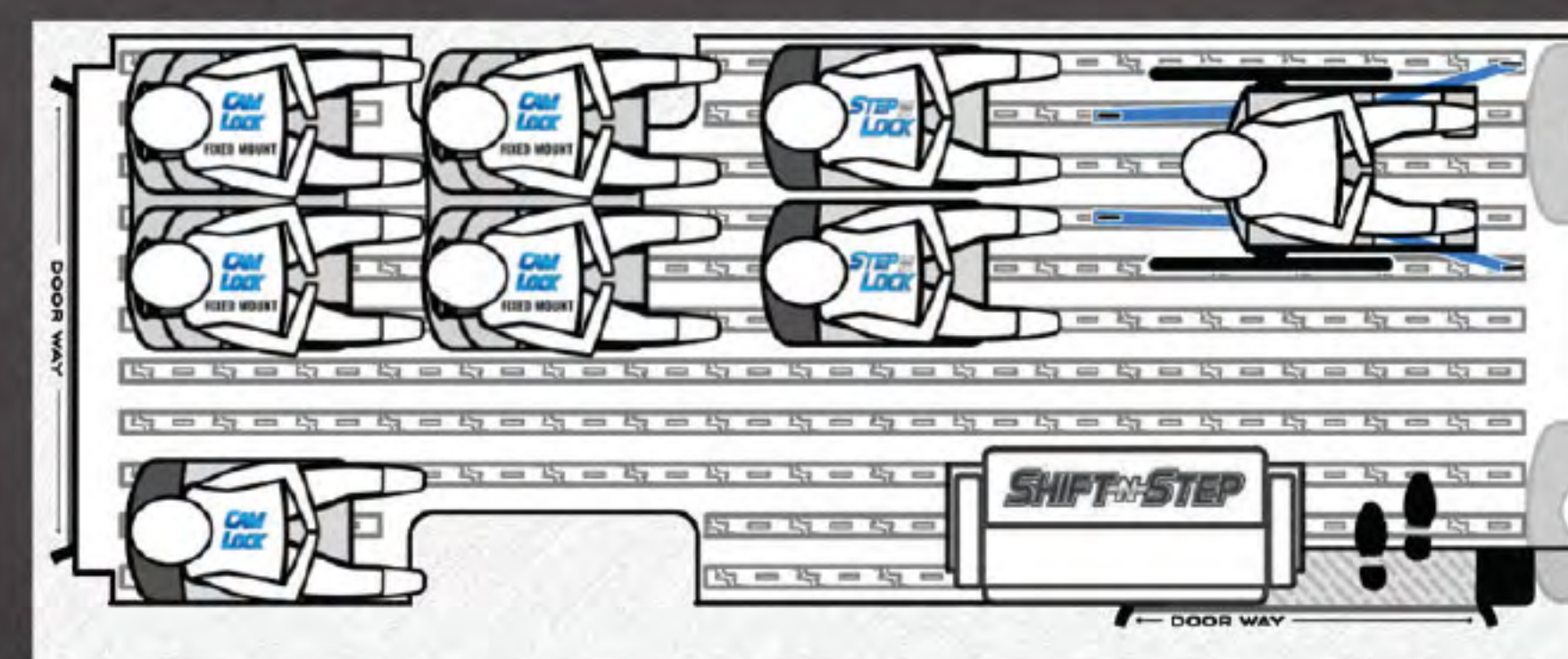


The Patent Pending Shift N Step is the first ever state-of-the-art ADA compliant vehicle system to allow total access for all. Revolutionizing the public and private paratransit transportation sectors, Shift N Step creates a truly "Cross-Over" vehicle allowing a safer curbside service for everyone, anytime, anywhere. One OEM side sliding door allows for a safe and dependable Dual Access System for both wheelchair and ambulatory service in today's highly desirable van segment. With our new Shift N Step Dual Entry System, you no longer need to have your vehicle structurally modified at either the front door position or the side door location to provide ambulatory access. Even better, because the van is not structurally modified, you significantly eliminate service issues, which can frequently plague structurally modified vehicles. By utilizing the OEM "Made in America" van you maximize your on the road performance and maintain warranty coverage, minimizing the cost of ownership. This is the long awaited practical solution many operators have been waiting for to finally be able to right size their fleet using the Ford Transit equipped with Shift N Step.

- Right Sizing your Fleet with the Ford Transit Van equipped with Shift n Step
- FMVSS 403 & 404 Compliant on all NHTSA approved 800lb lifts. Passed Static Load Weight Tests on both Braun and Ricon 800lb lift models
- FMVSS compliant for the 1,000 Ricon Titanium Lift
- Fits on Transit 148" and 148" extended wheelbases
- ADA Compliant
- 30 inch Ambulatory Entrance
- Accommodates up to a 34" wide commercial lift
- Bolt in design, No structural modifications necessary
- Retains all factory warranties
- FTA Buy America compliant
- Patent Pending

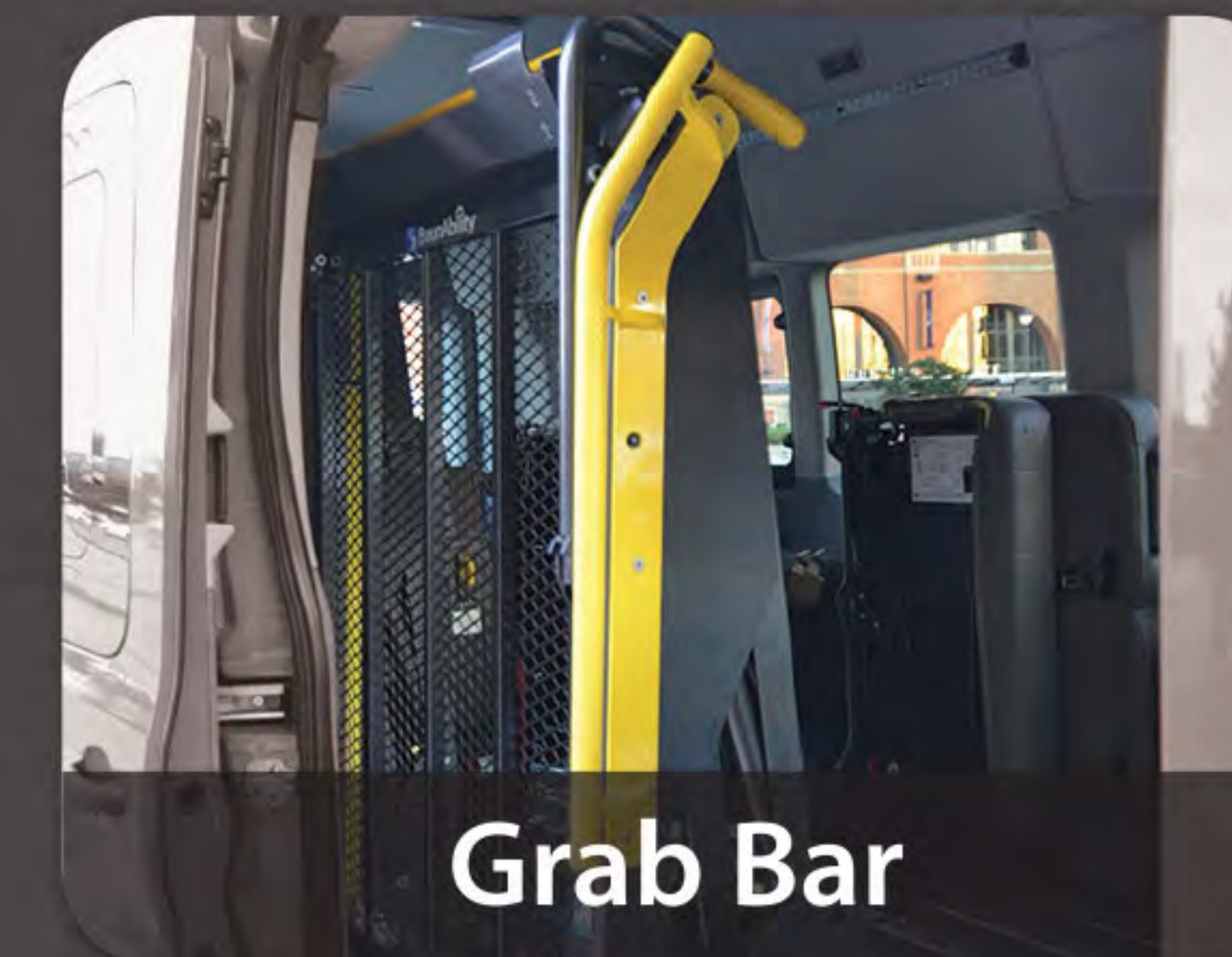


FMVSS 403 & 404

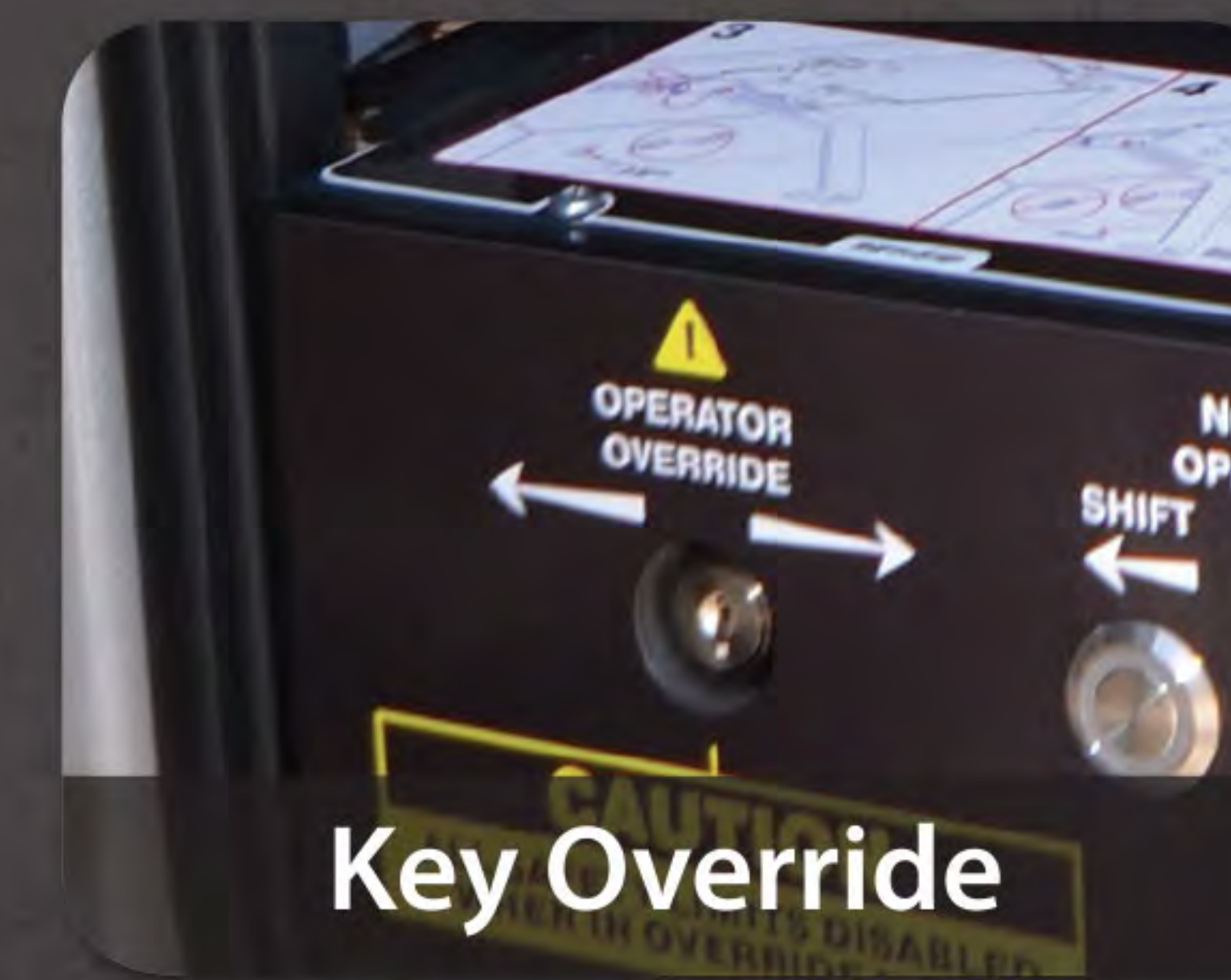


Example Floorplan of an AbiliTrax 170 Class Shift N Step

## SAFETY FEATURES



Grab Bar



Key Override



Manual Back Up



8" Bus Step

Other Features Include: Photo Electric Eye and Lighted Entryway

# STEP-N-LOCK

US Patent No. 9,550,436

The Step-N-Lock seat is a revolution in seating. AbiliTrax allows the Step-N-Lock seat to be installed virtually anywhere throughout the AbiliTrax system. Additional features on the Step-N-Lock seat allow for safe and easy transfer to multiple vehicles that feature the AbiliTrax system.

## INSTALLATION



Our Step N Lock latching mechanism will only work if the seat is installed 100% into the track, eliminating operator error.

## Freedman Seat Tops Compatible with AbiliTrax Step N Lock Bases

### Freedman GoES

Updated Sleek Design, Lighter Weight, External 3pt Seat Belt for easy maintenance, Lock n Go Cushions (removable/replaceable). GoES is available in vinyl (shown) or upgraded Ford Matching Fabric



### Freedman 3PT

Original Design, Internal 3PT Seat belt, Standard Vinyl



All seats are FMVSS and CMVSS tested (and scored well above the criteria required)  
FMVSS 207, 210, 225, & 302

### Freedman GoSeat

Updated Ergonomic design, Internal 3pt Seat Belt, Upgraded Hard Plate Back, Lock n Go Cushions (removable/replaceable). Freedman GO is available in vinyl or upgraded Ford Matching Fabric (shown)

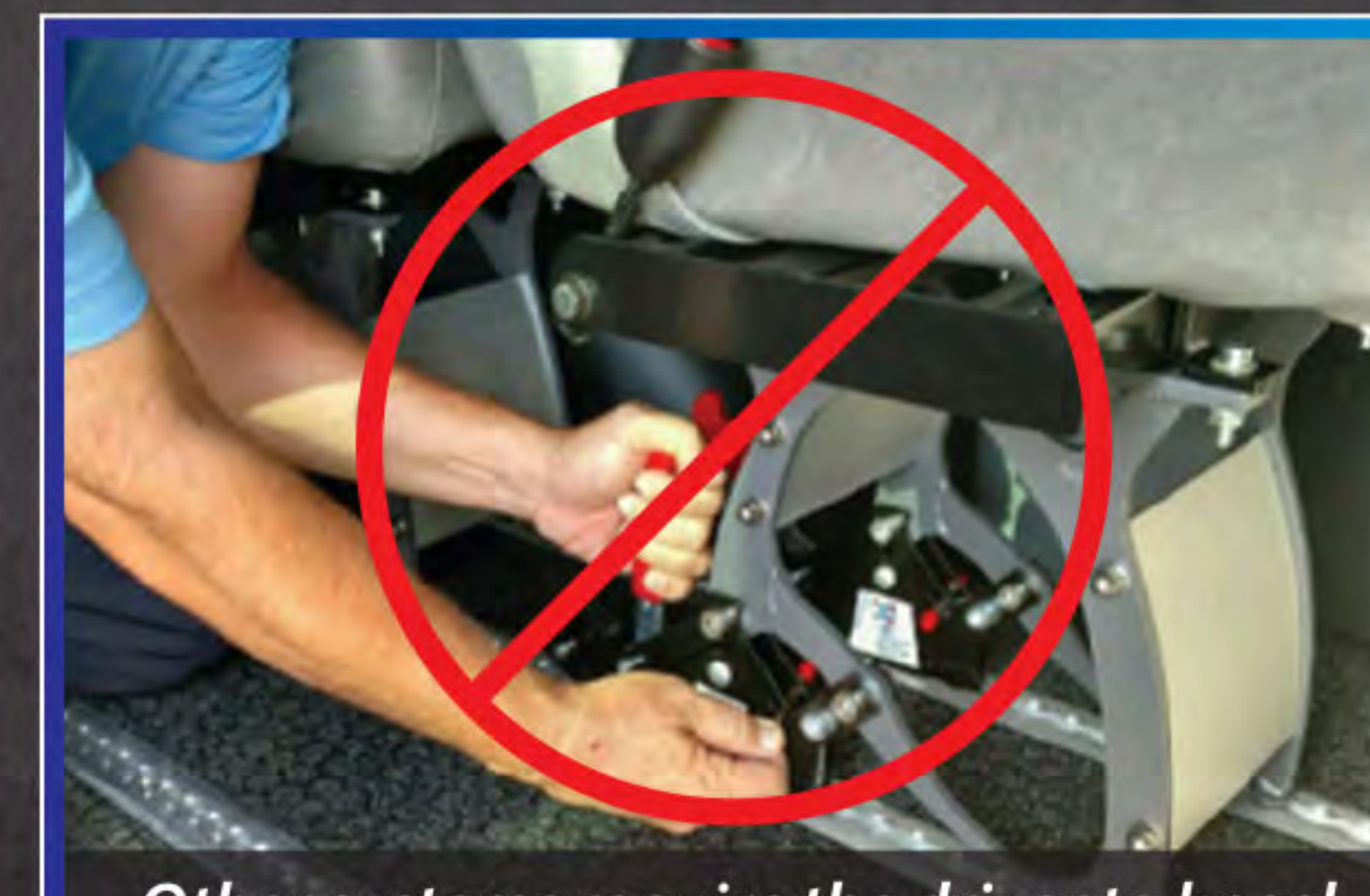


# STEP-N-LOCK

## Safety & Comfort



AbiliTrax provides drivers with a much more user friendly environment when they are changing seating configurations. By the driver simply using their foot, AbiliTrax allows for "hands free" latching and unlatching of the "Step N Lock" seat base.



Other systems require the driver to kneel down on the vehicle floor to operate levers

# CAMLOCK

CamLock seating offers the flexibility of the AbiliTrax system, but offers a wider variety of seating styles. Options range from rugged vinyl crew van seats to a limo style executive seat for a more elegant style.

## AbiliTrax Stationary Seating with CAMLock Seat Bases

Available in Single and Double Seats

### Single Fixed Seats



### Double Fixed Seats



All seats are compatible with same Freedman 3PT, GoES and GoSeat styles as well as the upgraded Eleganza Trieste Seating (shown below)

### Double Fold Away



# CAM2LOCK

PATENT PENDING

REDUCE Costs... REUSE Materials... REMOUNT Seats!



## Ford Factory Remount Seats Exclusively with Abilitrax

- Cost Efficient and Environmentally Friendly
- Available for Single, Double, or Triple Seats



CAMLock2 allows Factory OEM Seat integration with an FMVSS seat base solutions

Latching System allows for Install, repositioning and/or complete removal without the use of tools (Wheel integration available but not shown)

Shown below in Ford Passenger Wagon Styles, CAM2 is available for Single, Double, Triple Seats

130" WHEELBASE		148" WHEELBASE		148" EL WHEELBASE	
	8 AVAILABLE IN LR, MR		10 AVAILABLE IN LR, MR		12 AVAILABLE IN LR, MR, HR
	10 AVAILABLE IN LR, MR		15 AVAILABLE IN LR, MR, HR		15EL AVAILABLE IN HR
120 CLASS		140 CLASS		170 CLASS	
SINGLE		DOUBLE NARROW		DOUBLE WIDE	
SINGLE (WHEEL WHEEL)		DOUBLE NARROW (DRIVER)		TRIPLE NARROW	
SINGLE (DRIVER SIDE)		DOUBLE NARROW (PASSENGER)		TRIPLE WIDE	



Roof Height	Medium Roof Model: K1C	Medium Roof Model: X2C	High Roof Model: X2X	High Roof Model: U4X
Wheelbase	130"	148"		148" Extended Wheelbase
Seating Capacity	8 to 10 Passengers	12 to 15 Passengers		15 Passengers
GVWR	8,550	9,400		10,360

120 Class		140 Class		170 Class	
	8 AVAILABLE IN LR, MR		10 AVAILABLE IN LR, MR		12 AVAILABLE IN LR, MR, HR
	15 AVAILABLE IN LR, MR, HR		15EL AVAILABLE IN HR		



FMVSS 226 Ejection Mitigation will require upfits to be done on Passenger Wagons to include OEM Interiors, OEM Glass, and OEM Air Bags - 100% Phase in starting Model Year 2018

[www.ford.com/trucks/transit-passenger-van-wagon/2017/gallery/?gnav=vhpnv](http://www.ford.com/trucks/transit-passenger-van-wagon/2017/gallery/?gnav=vhpnv)



## Benefits of the Ford Transit

- Outstanding ride comfort for all
- Substantially more wheelchair securement flexibility when compared to structurally modified lowered floor minivans
- Euro-design
- Decades of operational performance in its lineage
- Outstanding fuel economy especially when compared to larger bus vehicles



**Find A Dealer Nearest You!**

[www.AbiliTrax.com/find-a-dealer](http://www.AbiliTrax.com/find-a-dealer)



**Designed and Manufactured Right Here in the United States**

*Which Complies with Buy America Regulations*

*"With the AbiliTrax system, I know that we have virtually unlimited flexibility in meeting all our clients' special transportation needs. I cannot think of anything I would change on my AbiliTrax equipped vans." - Don S.*

*"We're never out of service with AbiliTrax. On days we cant use the lift, we utilize our Step N Lock seats and make it an ambulatory van. Our fleet is always running." - Rick E.*

*"AbiliTrax is much more than a smart floor...its truly the most intelligent flooring and seating system for NEMT's and other paratransit operators that demand the safest and most comfortable service for their passengers." - K.C.*

- FTA Approved TVM
- NTEA MVP Certified
- Ford Factory Direct Ship-Thru
- Currently Active On Multiple Vehicle Procurement Contracts
- Sole Recipient of the New York State DOT Contract, Lot B



**800-500-6181**

**[www.AbiliTrax.com](http://www.AbiliTrax.com)**