



Toyota Commercial Rear-Entry Guide

2-9-23



Toyota Commercial Rear-Entry

The BraunAbility rear-entry built on the new Toyota Sienna Hybrid is the culmination of over 50 years experience in wheelchair accessibility in commercial and public transportation. The rear-entry conversion is a passenger-friendly as well as a cost-efficient mobility solution for many commercial transportation providers.

BraunAbility has a proven track record of producing economical and dependable commercial vehicles designed to keep you running day after day, year after year. We strive to maintain an exterior OEM look for consistency with other vehicles in your fleet.

For the interior you can maximize space and flexibility with Simple Stow™ ramp. The ultra lightweight ramp is easy to use, quick to deploy and snaps securely upright when transporting a client in a wheelchair. When not in use, the Simple Stow™ ramp fits flush against the floor providing ample room for stowing luggage and other cargo items.

Safety has always been a top priority at BraunAbility. The Toyota Commercial Rear-Entry has been crash tested and certified to meet or exceed all applicable requirements of the Federal Motor Vehicle Safety Standards (FMVSS) and is backed by our three-year limited warranty.

- **Standard front Q'STRAIT QER electronic retractors, rear QRT MAX retractors.**
- **OEM Tier 1 custom latching for tailgate minimizing vibration and road noise.**
- **3rd party durability testing performed to 300,000 miles**
- **BraunAbility designed rear suspension cradle to retain independent suspension, providing best-in-class ride and durability.**

Standard Features

- 2021 and newer Toyota Sienna Hybrid (only 8 passenger)
- ADA and FMVSS compliant
- Meets/exceeds Altoona test requirements
- CARB compliant
- 56" rear door opening
- Lowered floor section, aft of 2nd row seats for 1 wheelchair position
- 32.25" wide manual ramp with 1,000 lb capacity
- Simple Stow™ ramp feature
- OEM 2nd row bench seat
- ADA commercial flooring
- Wheelchair securement tie-downs –
 - Front - Q'STRAIT QER electronic retractors
 - Rear - Q'STRAIT QRT MAX retractors
- Transmission interlock
- ADA ramp and lowered floor lighting
- Emergency exit release for rear hatch
- Back-up alarm
- OEM fuel tank
- BraunAbility custom running boards with integrated step
- WeatherTech mats (driver and passenger)

Optional Features

- 3rd row 2-passenger folding bench seat
- DOT kit
- Rear Retractor Upgrades



Toyota Commercial Rear-Entry Features

Commercial Rear-Entry **VT** ► 2021-2023 Toyota Sienna Hybrid

See back of this guide for vehicle requirements.

- ADA and FMVSS Compliant
- Meets/Exceeds Altoona Test Requirements
- CARB Compliant
- ADA Compliant Interlock
- ADA Compliant Ramp & Door Entrance Lighting



- ◀ **Manual Door**
ADA-compliant manual rear door with 56" vertical opening.

- ◀ **Lowered Radius Floor**
The rear floor is lowered from the rear door to just behind the 2nd row seats and provides one wheelchair position. The radius floor provides for easier transition for wheelchair passenger over axle.

- ◀ **Manual Simple Stow™ Ramp**
The standard low-angle 32.25" wide aluminum foldout ramp (1,000 lb capacity) allows easy access to luggage and cargo when the ramp is not in use. Ramp stows flat on floor when not in use. Stows vertically when a wheelchair passenger is secured in vehicle.



- ◀ **Ramp Latching System**
This Tier 1 component minimizes metal-on-metal movement and ramp noise.

- ◀ **2nd Row OEM Bench Seating**
The OEM 2nd row 3 passenger bench seat is reatined. Seats easily slide forward to gain access to optional 3rd row 2 passenger folding seat (see options section).



- ◀ **Custom Running Boards** ►
Custom BraunAbility running boards provide a full length step to both sides of the vehicle.



- ◀ **Emergency Rear Hatch Release** ►

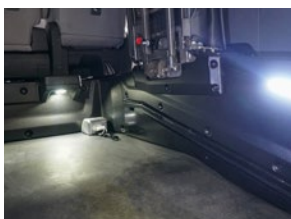
- ◀ **Custom Sculpted Mats**
The heavy-duty custom fitted Weather Tech mats offer enhanced floor protection and sound deadening benefits.



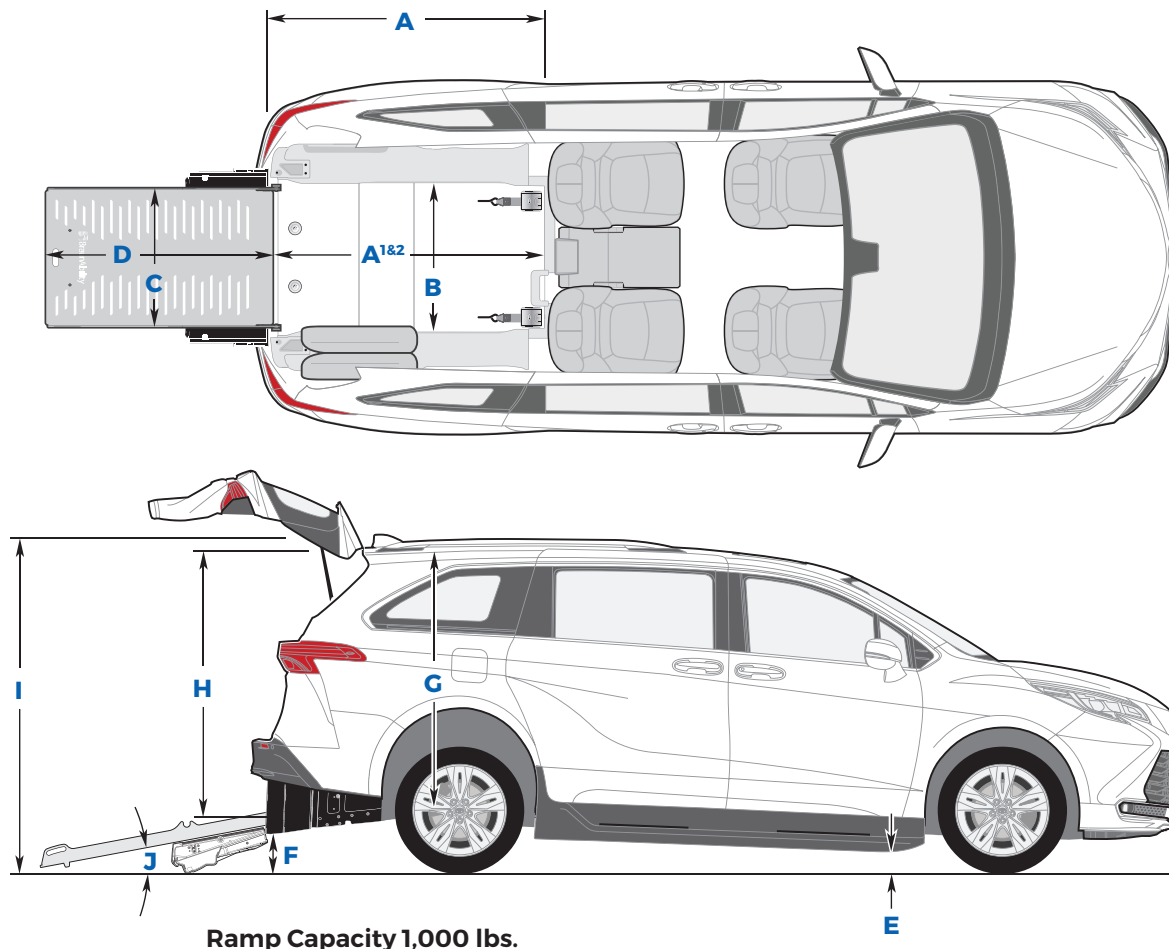
- ◀ **ADA-Compliant Lighting**

- ◀ **Wheelchair/Occupant Securement System** ►
Standard front Q'Straint QER electronic retractors with rear QRT MAX retractors. Rear retractors now include a storage area for when not in use.

Q'STRAIT.



Toyota Commercial Rear-Entry Dimensions



All dimensions are for reference only.

Lowered floor length	A	60"
Usable floor length (ramp stowed vertical)	A¹	56"
Track to ramp spacing	A²	53"
Lowered floor width	B	33.25"
Ramp width (usable clear opening)	C	32.25"
Ramp length	D	45"
Ground clearance at running board front (at GVWR)	E	5"
Ground clearance at rear frame (at GVWR)	F	5.19"
Wheelchair location interior height	G	57.5"
Entrance height	H	56"
Overall vehicle height (hatch closed)	I	78"
Ramp angle*	J	12.8°

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

* Ramp angle may vary based on chassis trim level and other environmental factors - measured with a 250 lb approximated wheelchair passenger load at the center of the ramp

Toyota Commercial Rear-Entry Options



◀ 514903K

3rd Row Freedman 2-Passenger Folding Bench Seat

Seat folds up when not in use to make room for wheelchair location.



◀ 515624K

DOT Package

(5# Fire Extinguisher, 10 First Aid Kit, Triangle Flare Kit, Body Fluid Kit)



◀ 514934K

Swap Standard QRT MAX for QRT Deluxe - 2 Rear Retractors, Lap & Shoulder Belt

514935K

Swap Standard QRT MAX for QRT 360 - 2 Rear Retractors, Lap & Shoulder Belt

Vehicle Information

All Wheel Drive (AWD) models cannot be converted.

Must have 8 passenger seating on customer supplied chassis.

Before ordering a vehicle, we strongly recommend contacting BraunAbility® for guidance in deriving payload capacities and selecting equipment and seating options before you purchase the vehicle.

BraunAbility will only convert 2021-2022 Toyota Sienna Hybrid with 50,000 or less miles. Customer supplied chassis with over 800 miles will incur a charge (see price sheet). Vehicles must be in sound condition and must never have been involved in an accident. All vehicles are inspected and subject to acceptance/rejection upon arrival at the BraunAbility plant.

Safety has always been a top priority at BraunAbility. The Toyota Sienna Commercial Rear-Entry has been crash tested and certified to meet or exceed all applicable requirements of the Federal Motor Vehicle Safety Standards (FMVSS) and is backed by our 3 year/36,000 mile limited and 5 year/unlimited mile rust-through metal protection on every vehicle that leaves the factory. Add to this the original Toyota warranty for unconverted parts and a nationwide dealer network, and you can rest assured BraunAbility will be there to support you no matter where your travels take you.

Wheelchair securement belts and track are by **Q'STRAIT**. In order to maintain compliance with applicable Federal Motor Vehicle Safety Standards, only Q'STRAIT wheelchair tie-downs and occupant restraints shall be used in conjunction with Q'STRAIT track or flooring.



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