BraunAbility®

2016 Product Application Guide • 3-1-16

UVL SERIES™

UVL Series™ Features

The UVL Series (Under Vehicle Lift) is designed for full-size vans. The UVL mounts on the outside underneath the vehicle. This provides a completely unobstructed doorway with a full window view and greater interior space. It is ideal for active families who need free doorway access and lots of room inside.

The UVL is hidden from view and out of the way until needed. By activating the hand-held control, the lift glides forward from its weathertight enclosure and gently lowers to the ground. The automatic roll stop is electrically actuated and the wheelchair user rolls onto the sturdy platform.

To ensure passenger safety, the lift will not raise from the ground until the roll stop is fully engaged in the "up" position. When the passenger is safely inside the vehicle, the lift lowers and is stowed back in its enclosure.

As with all BraunAbility lifts, the UVL is built to meet stringent specifications and safety standards. And, for further peace of mind, every UVL is backed by BraunAbility's Three-Year Worry-Free Limited Warranty.

- VA accepted & NHTSA Compliant
- Mounts underneath the vehicle, leaving the doorway completely unobstructed
- Aluminum housing is fully enclosed to be weathertight
- Automatic roll stop engages before platform leaves ground
- Slip-resistant platform
- Designed to be used with automatic door operators
- Hand-held four-button pendant control operates all lift and door functions
- Diagnostic system for easy troubleshooting
- Integrated manual backup system

UVL Series™ Models

NUVL603C

NHTSA Compliant **Usable Platform: 31" x 48"**

General Function: Electrohydraulic, power up/gravity down operation, power in/out

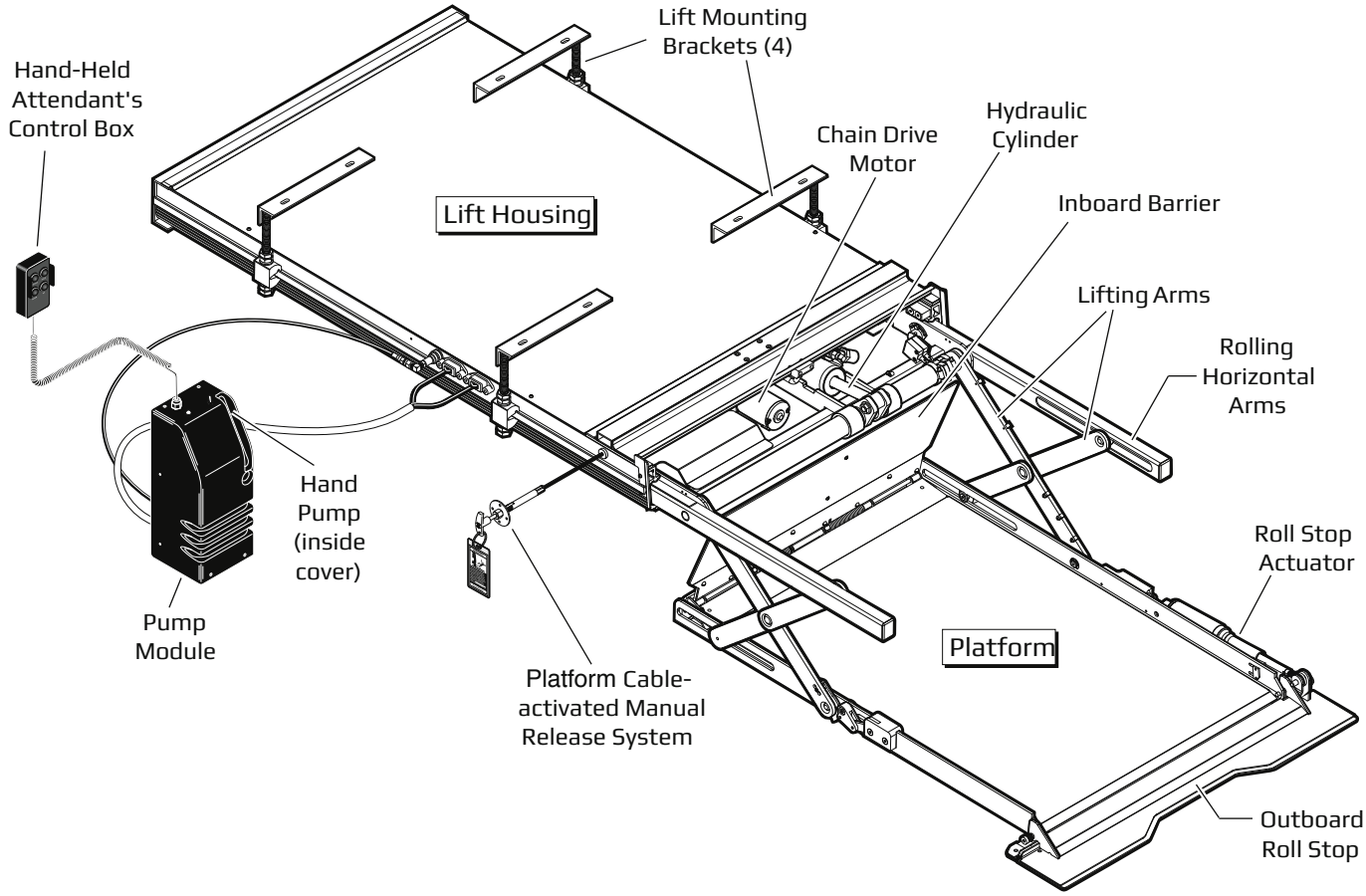
Control: hand-held control box, and optional remote

Hydraulic: Pressure Max. 3,249 psi, Fluid is Univis HVI 26, oil reservoir is .25 gal

Construction: Aluminum Housing with Steel inner structure with powder coat finish

Operating Temperature: -7ºC to 65ºC

Power Supply: 12VDC Current Consumption: Max. 120A (12V)

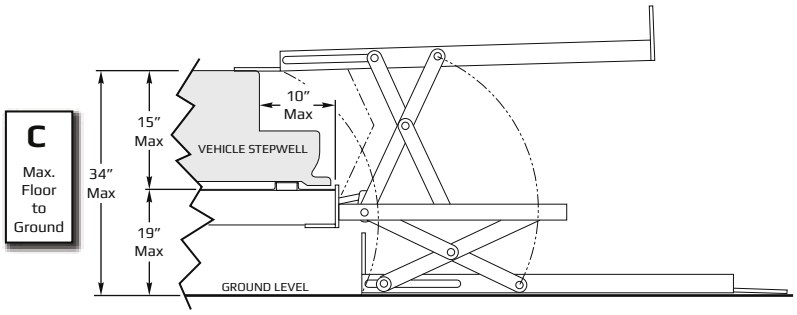


To ensure proper installation of the Under Vehicle Lift ("UVL"), BraunAbility maintains the following recommendations regarding after-market drive line and suspension modifications that may be required to meet the specifications for ground and drive shaft clearances.

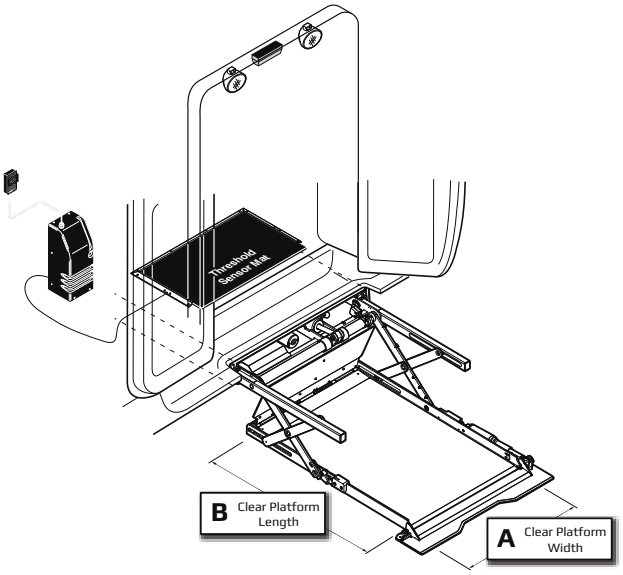
Once the installation of the UVL is complete, the installer shall ensure that the vehicle drive shaft cannot come in contact with the lift. The best way to check that the proper clearance is achieved is to raise the vehicle using a hoist capable of raising the vehicle while sufficiently supporting the chassis. This will allow the rear suspension to relax to its maximum extension before measuring the clearance. Note: The drive shaft must clear the lift with full suspension travel. 1 inch of clearance between the top of the lift and the drive shaft will allow proper operation of the vehicle under most normal driving conditions. BraunAbility does not recommend the use of axle limiting devices, as their use may degrade the vehicle's safety.

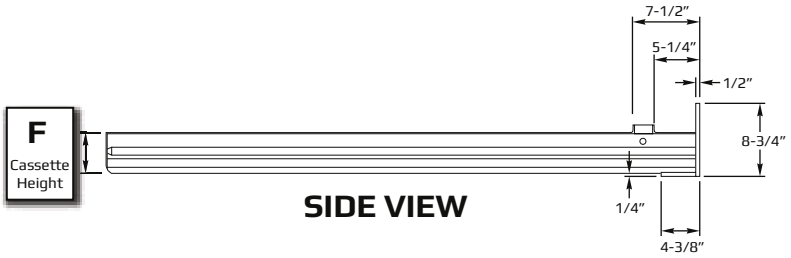
Upon completing installation of the UVL, the installer shall ensure that acceptable clearance is maintained between the lift and pavement. In making this determination, the installer must take into consideration that the vehicle may be loaded to maximum capacity during regular driving. BraunAbility recommends a minimum of five (5) inches of clearance be maintained during all driving conditions. After-market drive line kits and/or suspension modifications can assist in maximizing ground clearance if properly utilized. In some cases, after-market exhaust accessories can allow the UVL to be mounted closer to the vehicle frame, thereby increasing clearance. Increasing the manufacturer's wheel and tire size may increase ground clearance, but may void the vehicle's warranty, negatively effect its handling and render inaccurate the readings of the vehicle's odometer and speedometer.

UVL Series™ Dimensions

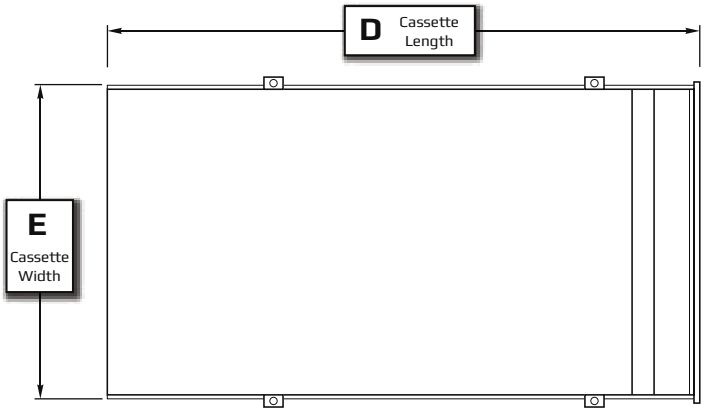


SIDE VIEW - TRAVEL LIMITS

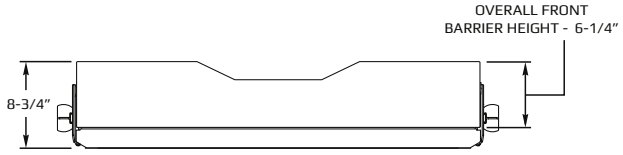




SIDE VIEW



TOP VIEW



FRONT VIEW

All dimensions are for reference only.
* Measured at platform surface.

UVL Series™			A	B	C	D	E	F
Lift Model Number	Lift Weight lbs	Lifting Capacity lbs	Clear Platform Width	Clear Platform Length*	Max. Floor to Ground	Cassette Length	Cassette Width	Cassette Height
NUVL603C	500	750	31″	48″	34″	67″	40-1/2″	4-3/4″

UVL Series™ Door Operator Kits

Swing Door Operators

GM	62409-000	Side Swing In-Door Operators for pre-1996
	62403-000	Side Swing In-Door Operators for 1996 & Up
	32311A	Side Slide Door Operator for Pre-1997
	32313A	Side Slide Door Operator for 1997 & Up
FORD	62400-000	Side Swing In-Door Operators for 1992 & Up (60/40)
	32311A	Side Slide Door Operator for pre-1992
	32312A	Side Slide Door Operator for 1992 & Up

Slide Door Operator

UVL Series™ Accessories

◀ **32426A** Replacement Hand-Held Control

73947N-2500 Hand-Held Control Extension Harness - 25'

◀ **32474KS** Remote Control System

- Controls all lift functions as well as door operators (if so equipped)

35152KS Replacement Transmitter for remote control system

35150KS Keychain Remote Transmitter

32196KS 3rd Station Control

34422K-03 Threshold Warning Mat - Replacement

33576K Taillight Magnetic Switches - Ford

34423A Overhead Light Kit - Replacement

UVL Series™ Specifications

THE BRAUNABILITY UVL "UNDER VEHICLE LIFT" SPECIFICATIONS
"Provided to make your spec writing easier."

The wheelchair lift shall be power up/gravity down in operation and shall be mounted underneath the vehicle. The lift shall be electrohydraulically operated with a remote-mounted pump and a single action cylinder. The reservoir shall have a 1-1/3 quart capacity. The hydraulic system shall operate with H5606 aircraft type hydraulic fluid.

The lift's construction shall consist of an aluminum housing, steel lifting structure and a slip-resistant aluminum platform. A chain drive shall be utilized for deploying and stowing the lift. The platform shall measure 31" wide and 48" long (minimum).

The aluminum housing shall be fully enclosed to be weathertight. The lift shall be capable of operating in a temperature range of -10 degrees to 120 degrees Fahrenheit, and shall have a lifting capacity of 750 pounds.

The control for lowering, raising and stowing the lift shall be a four-button hand-held pendant control. The button functions shall be clearly marked on the hand-held control.

The electrical system shall be designed to determine the lift's position at all times. The lift shall be equipped with a sensor that will prevent the lift from stowing when weight is on the platform. The platform shall not raise from the ground until the automatic roll stop is fully engaged. Lifts that require vertical movement of the platform for roll stop activation are unacceptable.

The lift shall have sealed adjustable bearings used in the carriage to allow the lift to deploy smoothly and adjust for wear. These bearings shall help prevent abnormal maintenance and lubrication.

The lift shall have a maximum 34" floor-to-ground travel. A manual backup system shall be integrated into the hydraulic power pack, allowing the lift to be raised or lowered in the event of vehicle electrical failure. A "T" Handle release mechanism shall allow the platform to be extended and stowed manually. A diagnostic system shall be integrated into the electrical system to allow for simple troubleshooting procedures.

BraunAbility UVL Series to include but not limited to the following model numbers:

- NUVL603C