



OPTION 1 - HENDRICKSON-INSTALLED UBL BRACKETS

For this option, Hendrickson installs the UBL axle lift brackets onto a VANTRAAX slider system. This VANTRAAX® system includes shorter air springs and taller air spring pedestals on the front suspension. This combination of components on the front axle increases the front suspension’s up travel, which provides an increase in the clearance under the tire when the axle is lifted. The rear suspension’s travel remains the same.

SPECIFICATION GUIDELINES:

- Available on HKANT models: 40K HD, 46K, 46K wide spread and 69K23
- 16-inch or 17.5-inch ride heights only
- Not available with Zero Maintenance Damping™ (ZMD™) air springs
- All other VANTRAAX options may be specified
- Front axle only may be lifted

SUSPENSION LIFT	MAX. TIRE DIAMETER	RIDE HEIGHT	LIFTED GROUND CLEARANCE
Standard	40.2"	16"	3.2"
		17.5"	4.7"
Limited	41.3"	16"	2.6"
		17.5"	4.1"

OPTION NOTES:

- The clearance under the lifted tire will be less than the axle lift due to tire deflection.
- Lifted ground clearance assumes a tire compression of .6".
- Reduced tire clearance above the lifted tire is approved by Hendrickson for this application.
- Refer to the installation drawing for additional suspension travel information.

OPTION 2 - OEM-INSTALLED UBL BRACKETS

The UBL lift kit can be installed by the trailer OEM on any VANTRAAX slider model. In order to increase the amount of axle lift, Hendrickson recommends raising the suspension ride height to the published maximum allowable adjustment (see L388, Ride Height Settings). However, the overall trailer height must be considered when increasing the suspension ride height.

SUSPENSION TRAVELS:

Refer to slider installation drawings and L388, Ride Height Settings, which are available on www.hendrickson-intl.com.

OPTION NOTES:

- Hendrickson does not recommend that a lift be installed onto the rear axle when SURELOK® is included.
- Raising the ride height to increase lift is not recommended in combination with Hendrickson's Zero Maintenance Damping™ (ZMD™) option.

VANTRAAX® MODEL	UBL KIT	INSTALLATION DRAWING
HKANL	UBL-005	D-27517
HKANT	UBL-004	D-28623
HKAL	UBL-002	D-27517
HKARL	UBL-002	D-24657
HKAT	UBL-001	D-25961



CONTROLS BILL OF MATERIALS CHART:

SLIDER SYSTEM				
PART NUMBER	QUANTITY	VENDOR	DESCRIPTION	NOTES
ABS Electronic Control Unit				
400 500 105 0	1	WABCO	InfoLink ECU/Valve Assembly (2S/2M-4S/3M)	Trailer ABS ECU must be InfoLink equipped. Lift axle function must also be activated using Meritor WABCO TOOLBOX software. Reference WABCO TP-08103 Technical Bulletin for programming information.**
OR				
400 500 106 0	1	WABCO	InfoLink ECU/Valve Assembly (2S/1M)	
Lift Axle Control Components				
400 850 821 0	1	WABCO	Lift Axle Control Kit	Reference WABCO TP-08103 Technical Bulletin for installation information.
Kit includes:			463 084 050 0 Lift axle control valve	
			449 518 030 0 3-meter solenoid valve cable	
			449 442 010 0 Multiple generic I/O cable	
			449 428 030 0 12-volt analog input cable	
			441 044 106 0 Pressure sensor	
			TP-09174 Label	
Parked Auto-Deploy Components (Required by Hendrickson)				
8000	1	Sealco	Pressure Switch	The 449 428 030 0 cable included with the WABCO Lift Axle Control Option Kit allows the installation of a non-WABCO pressure switch. The pressure switch should be plumbed into the Emergency/Supply glad hand circuit.
Service Brake Isolation Components				
780215	2	Sealco	Free Wheel Control Valve	Reference Sealco's product documentation for plumbing schematics. The pilot circuit of the free wheel control valve should be plumbed to the lift bag circuit.
Optional Components				
Multiple	1	Peterson	Light	Peterson Manufacturing stocks a wide variety of light options. Alternatively, the light can be purchased from any trailer lighting supplier.
449 711 120 0	1	WABCO	12m Light Cable	

** Customers who currently use Meritor WABCO 2S/1M ECU/valve that is non-InfoLink equipped can remove existing ECU and replace with a new InfoLink 2S/1M ECU only (part number S446 108 206 0). For all other non-2S/1M systems, the ECU and Valve assembly must be replaced.

Call your trailer dealer or Hendrickson at **330.489.0045** or **866.RIDEAIR (743.3247)** for additional information.



www.hendrickson-intl.com

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