Valid™ Kneeling System

Designed with universal accessibility in mind, Valid's Kneeling System integrates electronic ride-height functionality with existing vehicle systems to create seamless and intuitive driver control.

Advanced Technology. Simple Solutions.

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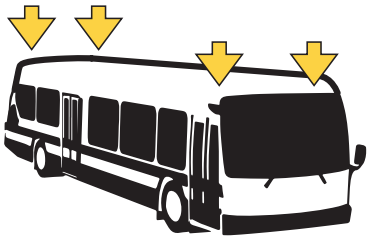
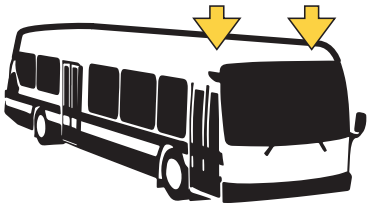
COMPLETE HEIGHT-CONTROL SOLUTION

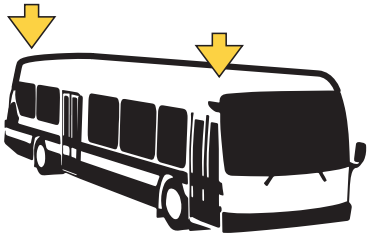
- **Valid's Kneeling System with Electronic Ride Height provides a complete height control solution for buses or other vehicles**
- **When vehicle is traveling, the system controls the air suspension for ride control**
- **Multiple kneeling modes available when stationary**



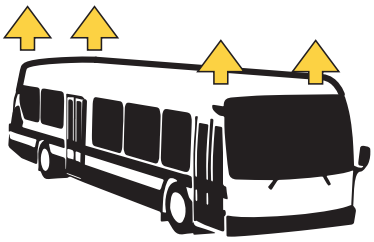
Lower all four corners



Lower the front
(one or two corners)



Lower along one side
(front and back)



Raise all four corners for
driving on uneven terrain

SEAMLESS OPERATION

- Valid's Kneeling System with Electronic Ride Height is comprised of pneumatic valves that control the air supply to air bags at each corner of the vehicle
- One or more electronic control modules monitor the ramp and kneel inputs, and adjust the suspension to either ride height or one of several kneel modes by controlling the pneumatic valves
- The control modules also receive analog height readings from electronic ride height sensors, which allow them to accurately determine the height of the vehicle and provide a smooth transition from kneeling to ride height
- Drivers can easily control the kneel and ride height modes with only a couple of switches mounted on the dash

"When you select Valid™ as a supplier, you get a partner that is committed to your long-term success."

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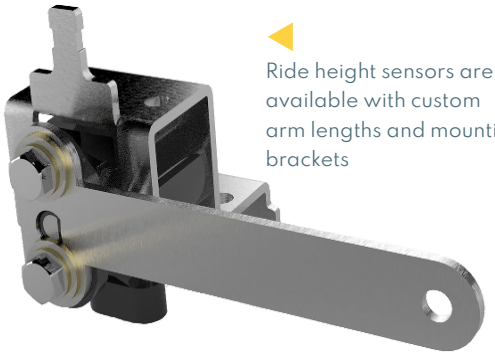
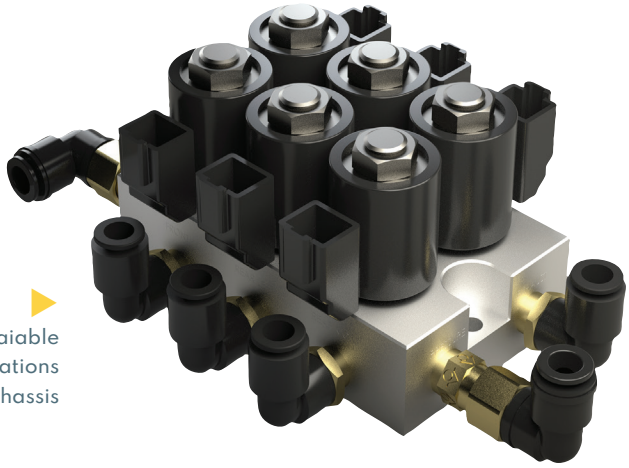
FEATURES

- One-touch kneeling to programmable height
- Available ‘intelligent’ air compressor control optimizes pressure ranges
- One to four point kneeling available
- Programmable ride heights can be configured via computer link
- Rugged, IP67 rated connectors
- Multi-point height sensing with configurable averaging
- Advanced diagnostics with multi-tiered failsafe algorithm
- Ride height reached faster than with standard height valves
- Durable sensors have no mechanical contacts to wear down
- Warning alarm when suspension is low
- Ride height mode for uneven terrain
- Reduced air consumption
- Automatic system monitoring
- One touch high and low ride height selection
- Integrated with vehicle network (J1939)



Ride height sensors are available with custom arm lengths and mounting brackets



Valve manifolds are avaiable in a variety of configurations to suit the chassis

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