Valid™ Trueline Leveling System

With Electronic Ride Enhancement

Valid's Trueline Leveling System with Electronic Ride Enhancement is a robust, industry-proven system for leveling and driving.

Advanced Technology. Simple Solutions.

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LEVELING SYSTEM

Valid's Trueline Leveling System is an automatic one-step leveling system. Accelerometers along three separate axes of the vehicle chassis provide data for both level and twist. Using this data, the system then accurately levels the vehicle while removing chassis twist.

Worry-free parking on uneven surfaces.

HIGHLIGHTS

Valid's Leveling System can level any RV that is equipped with an airbag suspension.

- Leading-edge accelerometer technology and exclusive features offer stress-free leveling and eliminate damaging chassis twist
- Control modules measure chassis twist and convey information to the actuator, which then levels the vehicle
- Vehicle height can be adjusted after leveling
- Touchscreen provides operator control interface and visual feedback on the vehicle's current status

ELECTRONIC RIDE ENHANCEMENT

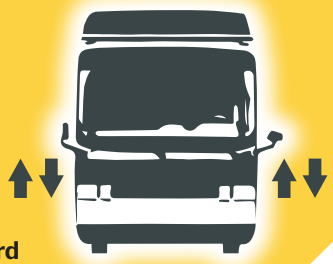
Valid's Electronic Ride Enhancement System augments the Trueline Leveling system with additional ride height monitoring features. .

HIGHLIGHTS

- Real-time assessment of vehicle status with automatic adjustments that ensure a safe and comfortable ride
- Reduced air consumption (up to 85%) compared to standard ride height valve suspension systems
- Quicker leveling than a standard leveling system
- Accurate re-level function with constant level and height maintenance
- Set your preferred entry step height after leveling

DYNAMIC SUSPENSION CONTROL

- **Air suspension devices automatically adjust according to changing road conditions**
- **Reduces excessive roll while cornering and pitch during acceleration and braking to provide a luxurious, high-performance ride**
- **Anti-dive option limits the amount of dive during forward or reverse motion**



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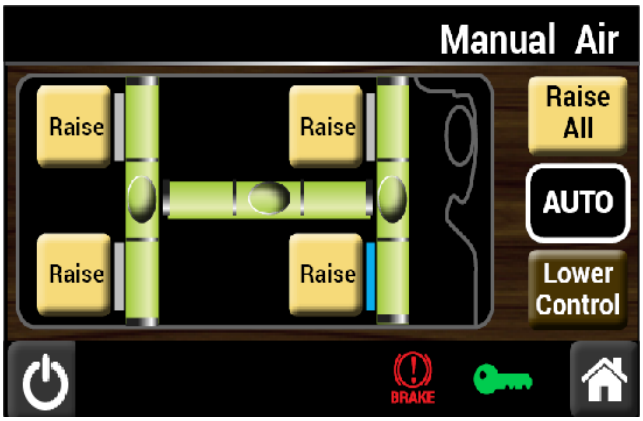
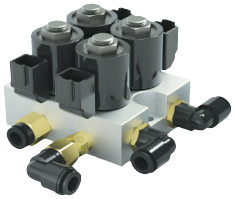
LEVELING SYSTEM USER INTERFACE

- Three digital “bubble level” indicators show exact vehicle position
- User-friendly touchscreen allows for easy leveling mode selection as well as four-point manual control of all leveling actuators
- Slope indicator warns when terrain is too steep for leveling
- Fully automatic or manual control
- Twist indicator warns operator before potential coach damage can occur
- Low voltage detection prevents problems associated with lower battery power
- Built-in speaker for audible alerts
- Fault indication provides immediate, accurate diagnosis and troubleshooting

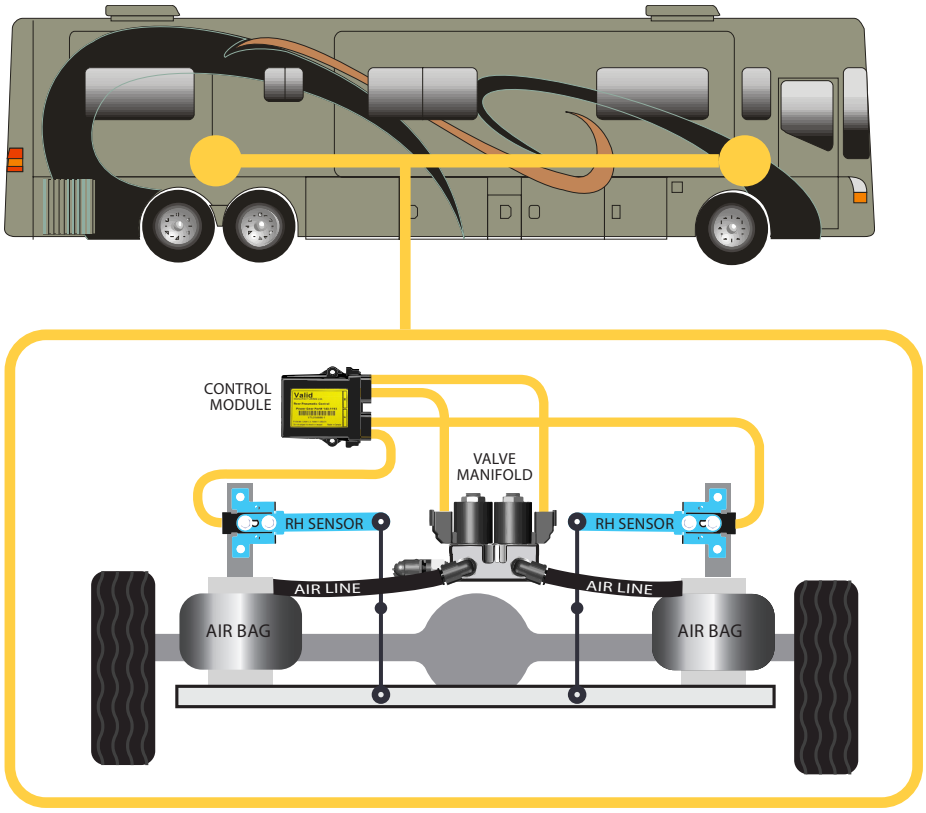


CHASSIS COMPONENTS

Fully-sealed modules measure tilt and acceleration in two directions.



Valve manifolds receive commands from the modules and control the airbags.



ELECTRONIC HEIGHT MEASUREMENT

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

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FEATURES	Trueline Leveling	Trueline Leveling with Electronic Ride Enhancement
The simplicity of one-touch leveling	•	•
Advanced technology provides increased accuracy	•	•
Data collection from three axes to eliminate chassis twist	•	•
Modular design easily integrates with other vehicle systems	•	•
Rugged, sealed IP67 rated connectors to withstand the elements	•	•
Automatic system monitoring makes adjustments so you don't have to	•	•
Low-speed maneuvering in manual mode allows position adjustment	•	•
Airbag leveling eliminates hydraulics and associated oil leaks, reduces both weight burden and power demand	•	•
Tag axle control option for easier turning and less tire wear	•	•
Four-corner height sensing with selective averaging		√
Reduces air consumption by up to 85%, saving power and fuel		√
Advanced diagnostics with multi-tiered fail-safe algorithm reduces vehicle downtime due to damage		√
Confirmation of travel ride height eliminates guesswork		√
One-touch high and low ride height selection		√
Standard height valves quickly achieve ride height levels		√
Height sensors reduce leveling time and prevent vertical drifting		√
Durable Hall Effect sensors have no mechanical contacts to wear down		√
Monitors signals on the J1939 network, simplifying wiring		√
Warning alarm when suspension is low		√
Combined chassis height and tilt sensing reduces air leveling time		√

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

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