

SmartValve is a all-in-one electronic height control that provides automatic ride height safety features and additional suspension control. The system has proven to reduce suspension air consumption and maintain precise control of driveline angles.

Retrofit installations will replace the existing height control valve and requires tractors with 250 Kbps J1939 CanBus (typically found on vehicles 2006 and newer) for passive signal use. An additional module is required for tractors with 500 Kbps J1939 CanBus.



Suspension Raise (Control Switch)	When coupling to a trailer that is above the height of the 5th wheel, drivers can raise the chassis suspension 2" or more above the truck's ride height (depending on make and model), allowing the fifth wheel to reach the kingpin. In most situations, the additional travel reduces pressure on the trailer's landing gear making final adjustments easier.
Suspension Lower (Control Switch)	When coupling to a trailer that was previously dropped too low, drivers can lower the chassis suspension below the vehicle's ride height to either connect to a trailer, or to lift the nose of the trailer, thus reducing the effort required to crank the landing gear.
Auto Return	SmartValve's J1939 CAN-Bus safety feature allows the system to automatically return the chassis suspension to a standard ride height once the truck reaches 7 mph. SmartValve's electronic position monitoring maintains accurate ride height during highway speeds extending the life of driveline components.

FACTORY INSTALL

Make	Model	Configuration	Option or Feature Code
Freightliner	Cascadia	6x4	888-083 or 888-084
International Motors	LT	6x4	14WCS
Kenworth	T680	6x4	3830535
Peterbilt	579	6x4	1922640

RETROFIT INSTALL

Make	Model	Single Button Operation	Dual Button Operation
Freightliner	Universal 6x4	H00700R1A	H00700R21A
International Motors	Universal 6x4	H00700R3A	H00700R23A
Kenworth	Universal 6x4	H00700R2A	H00700R22A
Peterbilt	Universal 6x4	H00700R4A	H00700R24A
Mack	Universal 6x4	H00700R6A	H00700R26A
Volvo	Universal 6x4	H00700R5A	H00700R25A
Western Star	Universal 6x4	H00700R1A	H00700R21A

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PROGRAMING KIT

Description	Part #
This software tool is required to program your SmartValve. Only one kit is required for each fleet/dealer and can be used multiple times and for any SmartValve kit number. Includes upgradeable firmware for ongoing diagnostic use during the life of the SmartValve.	H00700PK

SMARTVALVE®

SERVICE KITS

OEM SERVICE KITS

Make	Description	Part #
Freightliner	Replacement SmartValve	16-21138-000
Freightliner	Module	06-95530-000
Freightliner & Western Star	Replacement SmartValve	A16-21836-003
Freightliner & Western Star	Replacement SmartValve	A16-21837-003
International Motors	Replacement SmartValve	2522060C91
International Motors	Module	4155076C1
Kenworth	Replacement SmartValve	G90-6185-4000
Kenworth	Replacement SmartValve	G90-6185-5000
Kenworth	Module	Q27-6088
Peterbilt	Replacement SmartValve	G90-6185-4000
Peterbilt	Replacement SmartValve	G90-6185-5000
Peterbilt	Module	Q27-6088

NOTE: The dealership is not responsible for typographical product information errors. Advertised information and available quantities are subject to change without notice. Please contact your preferred OEM dealership directly before ordering.

RETROFIT SERVICE KITS

Make	Description	Part #
All Makes - With 6x2 Tractor Config.	Dump Valve (6x2 Kit)	H00700SD
All Makes	Data Converter (500kb to 250kb)	H00701SDC
All Makes	Pressure Sensor (Sensor Only)	H15926A
All Makes - With 2 Button Kit	Control Harness Kit	H18007SV
All Makes - With Factory Dump Switch	Control Harness Kit	H17095SV
All Makes	Interface Module	H18130SVM1
Freightliner 6x4 - With Factory Dump Switch	Replacement SmartValve	H02410RAS1
Freightliner 6x4 - With 2 Button Kit	Replacement SmartValve	H02410RFS1
Freightliner 6x2	Replacement SmartValve	H02410RNS1
International 6x4 - With Factory Dump Switch	Replacement SmartValve	H02410RCS1
International 6x4 - With 2 Button Kit	Replacement SmartValve	H02410RHS1
Kenworth 6x4 - With Factory Dump Switch	Replacement SmartValve	H02410RBS1
Kenworth 6x4 - With 2 Button Kit	Replacement SmartValve	H02410RGS1
Peterbilt 6x4 - With Factory Dump Switch	Replacement SmartValve	H02410RDS1
Peterbilt 6x4 - With 2 Button Kit	Replacement SmartValve	H02410RJS1
Peterbilt 6x2	Replacement SmartValve	H02410RRS1
Volvo or Mack 6x4 - With Factory Dump Switch	Replacement SmartValve	H02410RES1
Volvo or Mack 6x4 - With 2 Button Kit	Replacement SmartValve	H02410RKS1

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