	Countries:	AUSTRALIA, BAHAMAS, BOLI CANADA, CHILE, COLOMBIA, DOMINICAN REPUBLIC, ECU SALVADOR, TRINIDAD AND 1 UNITED STATES, URUGUAY, MEXICO, ARUBA, NICARAGU PUERTO RICO, Curaçao, GUA GUYANA, HAITI, HONDURAS PANAMA	, COSTA RICA, ADOR, EL TOBAGO, Docur VENEZUELA, DC A, PERU, ID: ATEMALA,	nent IK0300068
	Availability:	ISIS, Bus ISIS, FleetISIS, Body	Builder, IsSIR Revisi	on : 3
Knowledge Base	Major System:	SPRINGS AND SUSPENSION	Create	d : 3/29/2018
	Current Language:	English	Last Modifi	ed: 6/24/2019
	Other Languages:	NONE	Autho	r: Gintarus Andriusis
	Viewed:	966		
				Less Info
₩ Hide Details	Coding Inform	nation		
Copy Link Copy Relative Link Bookmark	Add to Favorites Print	Provide Feedback	Helpful	Not Helpful
CO DI View My Bookmarks	★	P	10	•
Title, Hadley, Smart Valve, Troubleshe	oting Guido	· · ·	· · · · ·	

Title: Hadley Smart Valve Troubleshooting Guide

Applies To: LT and RH

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

06/24/2019 - Updated IK to include Tools PN for USB cable, additional diagnostic steps, and International dealer specific Hadley links in the Repair Steps 11/06/2018 - Republishing due to dealer feedback 05/02/2018 - Changed visibility coding 04/18/2018 - Initial Article Release

DESCRIPTION

This document will guide the user through Hadley ride height Smart Valve Operation and Troubleshooting.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
Not Applicable	Not Applicable

Customer Observations or Concerns:

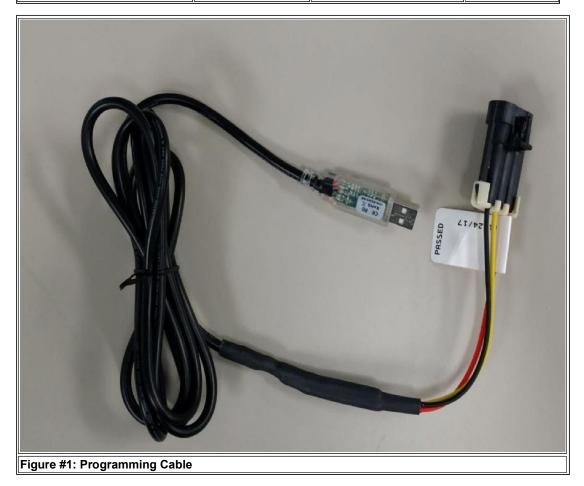
- · Vehicle being out of specification for ride height having over or under inflated suspension air bags
- SmartValve status LED blinking

SmartValve Status LED Operation

- The SMARTVALVE STATUS indicator contains both red and green LEDs.
- The red LED flashes quickly if power or communication is lost to the valve.
- The green LED indicates the mode and errors detected during operation. A repeating pattern indicates a system mode or condition. A series of blinks arranged in pairs of groups are used to indicate system faults. This section summarizes these codes.

SPECIAL TOOL(s) / SOFTWARE

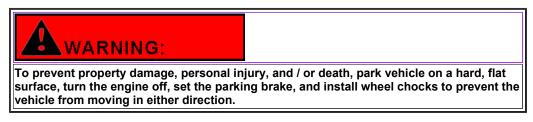
Tool Description	Tool Number	Comments	Instructions
Hadley Smart Valve Software (The USB flash drive)		Available on EZ-Tech Download Center	
Programming Cable	PN 03-264-01		



SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Hadley SmartValve Kit	HAD700R3		Includes Valve, Wiring Harness, Interface Module, Button, LED Light

DIAGNOSTIC STEP(s)





To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING:

To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

Step	Action	Decision
	DIAGNOSTIC:	Yes. Go to Step 2
1	(See Figure 2) Is the vehicle equipped with the Hadley SmartValve?	No. Refer to Service and Diagnostic manual for further information on standard height control valve For valve retrofit / installation instructions refer to Installation Steps below

Step	Action	Decision
	DIAGNOSTIC: Hadley SmartValve comes equipped with an LED light located in the dash above/next to suspension dump button Is the LED flashing either green or red pattern indicating a fault?	Yes. Refer to INSTALLATION & DIAGNOSTIC MANUAL FOR SMARTVALVE in the Repair Steps below
		No. Go to Step 3

Step	Action	Decision
	DIAGNOSTIC:	Yes. End of Diagnostics
	Verify vehicle ride height	
	For the latest ride height specifications and measuring procedures please refer to Service and Diagnostic manual for a specific vehicle model	No. Refer to SOFTWARE SET-UP
	https://evalue.internationaldelivers.com/service/service_info/MSMSearch.aspx	MANUAL FOR SMARTVALVE in the Repair Steps below
	Is the vehicle ride height within specification?	



INSTALLATION STEP(s)

For the latest information and most up to date manuals refer to:

https://www.hadleyadvantage.com/navistar-support

Instructions of the Hadley SmartValve retrofit / installation and wiring

INSTALLATION & DIAGNOSTIC MANUAL FOR SMARTVALAVE

REPAIR STEP(s)

For the latest information and most up to date manuals refer to:

https://www.hadleyadvantage.com/navistar-support

REPAIR AND DIAGNOSTIC PROCEDURE:

- For valve diagnostics, fault codes, wiring, and installation refer to manual linked below
 <u>INSTALLATION & DIAGNOSTIC MANUAL FOR SMARTVALVE</u>
- For instructions using the setup software, setting ride height, and changing valve height values refer to manual linked below
 - SOFTWARE SET-UP MANUAL FOR SMARTVALVE

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the Warranty Coding Manual for Group and Noun Codes.

Standard Repair Time(s):

https://evalue.internationaldelivers.com/service_kb/DocTool/ArticleViewer.aspx?ControlID... 7/1/2019

Refer to the SRT Manual for Repair Times

OTHER RESOURCES

Master Service Information Site

Ҳ Hide Details		Feedback Information	
		Viewed: 965	
		Helpful: 10	
		Not Helpful: 0	
Staff ID	Client ID	Comments	Created Date
	DY08955	You received the following feedback From: dy08955 - David Gabrielle Email Address: gabe396@aol.com Job Classification: SE008, Service Technician Dealer: TRUCK KING INTL IDEALEAS Feedback: Is Programming Cable PN 03-264-01 going to be sent to dealers as an essential tool ?	7/1/2019 5:43:52 AM

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