

## **Pressure Calibration Kit**

*GM Allison 1000 and 2000 Series  
2011-2016 450-800HP  
(128041011)*

### **Installation Guide**



## **DISCLAIMER OF LIABILITY**

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

Note regarding emissions-related, non-E.O.-legal products: THESE PRODUCTS ARE LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES THAT MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR HIGHWAY OR OFF-ROAD USE.

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## **LIMITATION OF WARRANTY**

The Seller gives Limited Warranty as to description, quality, merchantability, and fitness for a particular purpose, productiveness, or any other matter of Seller's product sold herewith. The Seller shall not be responsible for the products proper use and service and the Buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except by a written instrument signed by Seller and Buyer.

Limited lifetime warranty on all PPE cast aluminum products, and PPE Transmission Coolers. Three (3) year limited warranty on PPE Manifolds and Up-Pipes Kits, and OEM-Length Up-Pipes. One (1) year limited warranty on all other PPE products from the date of sale to original buyer and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Seller. Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or re-installation - of this product or any other contingent expenses. Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment. In the event that the buyer does not agree with this agreement: the buyer may promptly return this product, in a new and unused condition in its original packaging, with a dated proof of purchase to the place of purchase within ten (10) days from date of purchase for a full refund. The installation of this product indicates that the buyer has read and understands this agreement and accepts its terms and conditions.

## **Contents:**



- A, B, C** Shift Valve Springs
- D** Tan Spring (over 1000HP)
- E** Blue Spring (under 1000HP)
- F** Yellow Pressure Regulator Valve Spring
- G** EPC Regulator Valve
- H** Line Plug
- I** Shim
- J** Steel Ball
- K** .047" Drill Bit

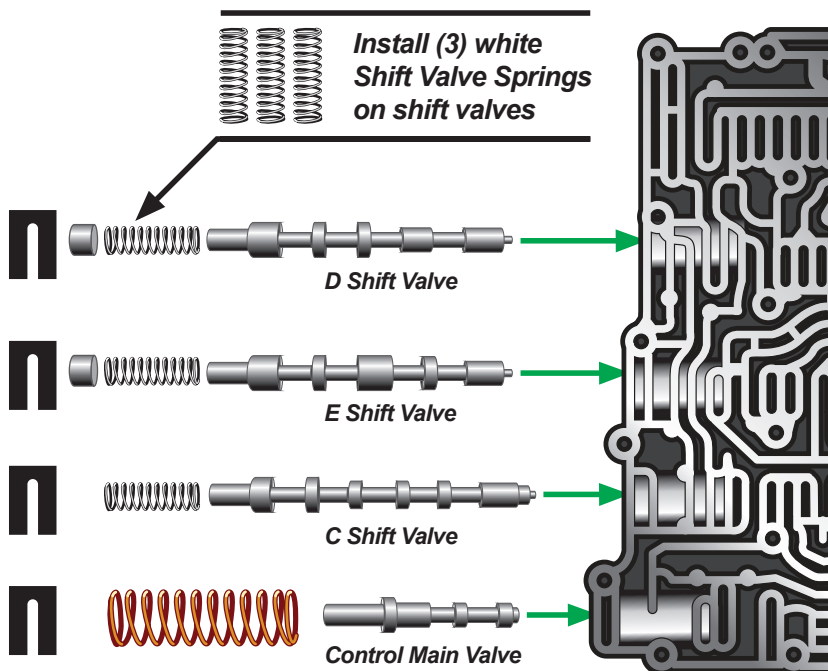
## **Installation:**

A sticking E Shift Valve can cause Code P1711 or P0872 to be displayed.

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### **STEP 1**

#### **Shift Valve Body**



Install the three PPE white springs on to the D, E and C Shift Valves.

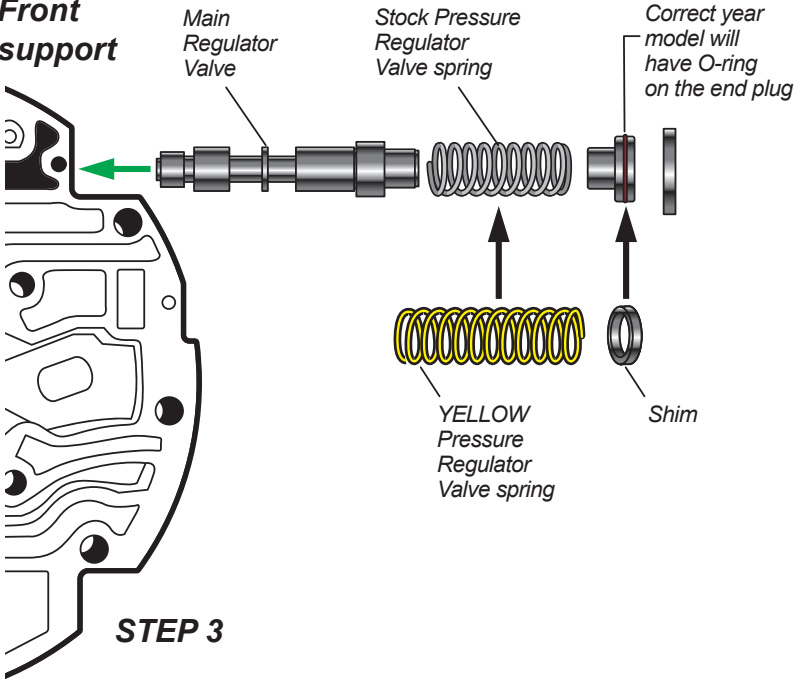
#### **Bore cleaning:**

Hacksaw slot in brake line tubing. Then insert a strip of 180 grit wet or dry sandpaper. Spin (by hand) inside the bore to remove high spots.

Check by freezing Shift Valve Body for one half-hour. If valves remain free the installation will perform properly in the truck.

**STEP 2**

**Front support**



**STEP 3**

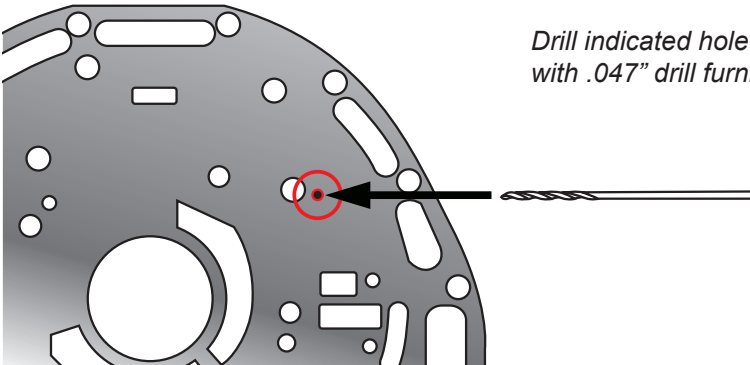
*Install new YELLOW Pressure Regulator Valve spring.*

*Install silver shim if horsepower will exceed 800HP.*

**Spacer plate**

**STEP 4**

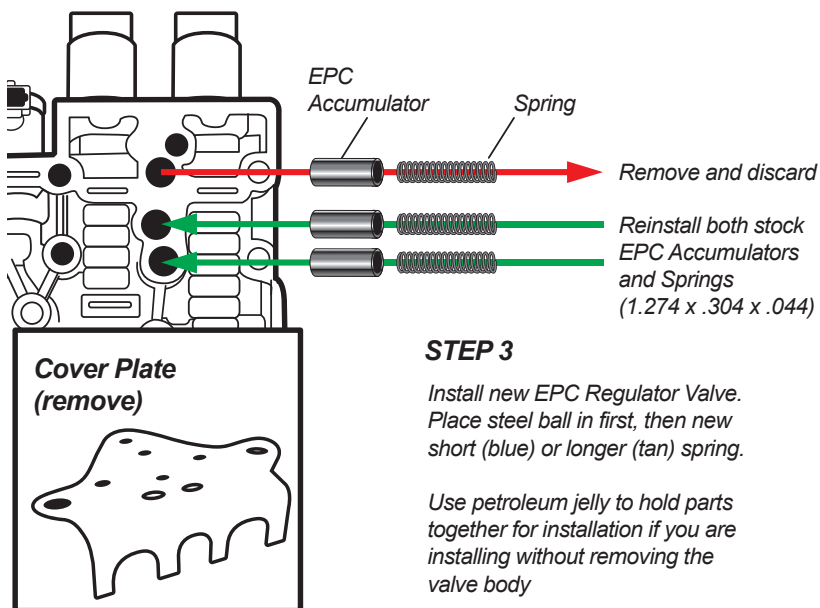
*Drill indicated hole with .047" drill furnished.*



## STEP 5

### Main Valve Body

2011 and later style



## STEP 3

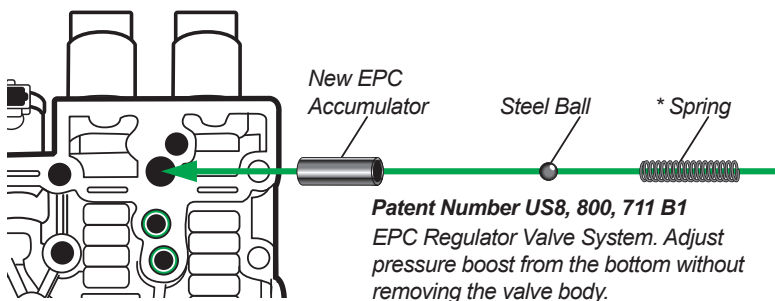
Install new EPC Regulator Valve. Place steel ball in first, then new short (blue) or longer (tan) spring.

Use petroleum jelly to hold parts together for installation if you are installing without removing the valve body

### \* EPC Regulator Valve Assembly

For street trucks under 1000HP, use **BLUE Spring**.

For trailered race trucks over 1000HP, use longer **TAN Spring**.

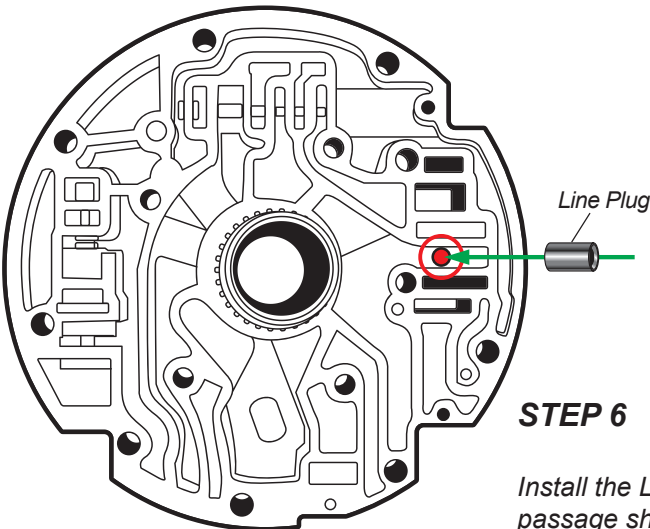
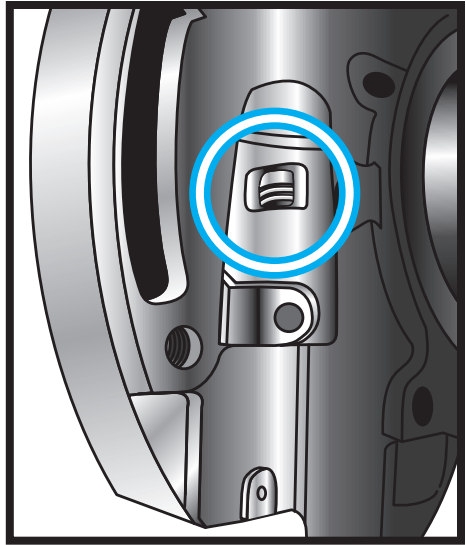


## **Pop-Off Valve**

*2011 and later models use a Pop-Off Valve. These are not serviceable and prone to leak due to metal contamination.*

*Always install the Line Plug into the stator support (as shown below).*

*The new EPC Regulator Valve in this kit provides the safety for over-pressurization without the risk of low-pressure that can happen with the factory Pop-Off Valve.*



### **STEP 6**

*Install the Line Plug into the passage shown in the diagram.*

*Stake with a chisel at the top of the bore to keep the Line Plug from moving out of position.*



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