



TS PERFORMANCE
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MP-8
Duramax Shim Kit



Installation Manual

Continued

Installation of Fuel Rail Valve Shim Kit

GM 6.6L Duramax, 2004.5 - 2009 Models LLY, LBZ, & LMM

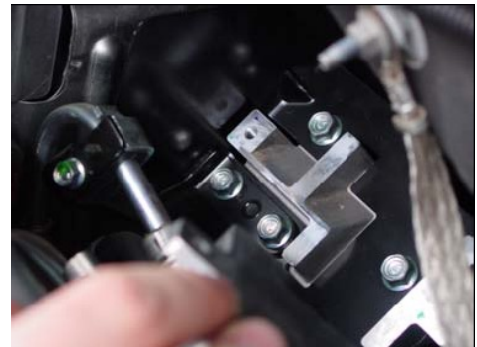
This kit includes a Separation tool and (3) .20" shims



1. View Glow Plug Controller mounted on Driver Side Firewall. Remove 2 bolts holding the controller case cover.



2. Remove the 5 bolts shown, four on the case and 1 on the metal tubing shown. Remove black metal casing under the bolts to access the fuel pressure valve.



3. Fuel pressure valve can now be seen after removing Glow Plug Controller assembly. Unscrew valve and remove from fuel rail. Photo shows valve loosen and unthreaded most of the way.



4. Take valve and thread supplied nut tool onto valve.

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Then place valve in a vice,
Clamping down on sides of valve cap.



5. Use a wrench to unscrew supplied nut in order to remove valve cap. Be careful to hold end of valve while doing this! It is spring loaded and you don't want to loose parts! There is a small needle valve in the cap, it is located behind the washer with the 3 holes. Be sure it does not fall out. If it does the truck will not start once the valve is re-installed. If it does fall out be sure to re-install it. It is tapered and should be flush with the cap when inserted properly.



6. Another view of removing the valve cap after loosening in step 5.



7. Removing the metal spring, then insert the 3 supplied metal shims into valve. Now re-insert the metal spring back into the valve.



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8. Replace valve spring and then cap. Note that there are 3 holes in a triangle position on the inside of the valve cap that does not need to be removed from cap and should face towards spring as it did when it was removed, hole alignment is not necessary.



9. Place valve back in vice, now with a thick piece of cardboard or piece of wood behind valve cap to prevent damage to the valve seal surface. Tighten vice so that the valve cap reenters valve until fully seated. No need to over-tighten; just tighten until snug.



10. Take a small punch and small hammer and re-apply the 3 factory indentations along the lip where the valve casing covers the valve cap. You may need to loosen the vice slightly to rotate the valve to access all 3 indentations, but do not let the spring push the cap out any! Make sure that the cap stays fully seated in valve while rotating. After doing so loosen the vice and make sure that the valve cap is held by the indentations. Then replace the valve back in your vehicle, replace the black metal casing, and reassemble the Glow Plug Controller Casing.



If there are any questions on the product or installation, give us a call at
TS Performance (270) 746-9999

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DISCLAIMER

READ CAREFULLY BEFORE INSTALLING ANY TS PERFORMANCE PRODUCT

REMEMBER THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK. FOR OFF ROAD USE ONLY.

Do not use this product until you have carefully read the following agreement. This agreement sets forth the terms and conditions for the use of the TS Performance product. The installation of this product indicates that the buyer has read and fully understands this agreement and accepts its terms and conditions.

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The seller disclaims any warranty and expressly disclaims any liability for personal injury or damages. The buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the buyer agrees to indemnify the seller and to hold the seller harmless from any claim related to the item of the equipment purchased. Under no circumstances will the seller be liable for any damages or expenses by reason of use or sales of any such equipment.

The seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt the manufacturer is to be contacted.

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- The warranty policy is the best warranty within the high performance diesel industry.
- All **TS Performance** products have been inspected, tested and trial in the factory laboratories and on the field.
- Nothing in this Statement of Policy shall alter or enlarge the terms of warranties, obligation or liabilities of these products.
- **TS Performance** is not responsible or liable for any products damaged or destroyed due to improper installation.

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- In no event will **TS Performance** be liable for any consequential or incidental damages for breach of any express or implied warranty on the product.
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- **TS Performance** is not responsible or liable for any products damaged or destroyed due to improper installation.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT IN A NEW ANDN UNUSED CONDITION WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN TEN (10) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

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