



TECHNICAL SERVICE BULLETIN

Bulletin Number: DC-2237

Date: 11/10/08

Affected Model(s): SL-V and SL-V XL Injectors (Manifold and Replacement)

Subject: 272796 Socket Head Screws

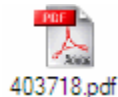
In line with our commitment of ongoing improvement we have made an immediate change to the **272796** socket head screw effective with all production starting in October, 2008. The date code associated with this change is MX/XT. We had a recent report indicating that the two halves of an SLV had pulled apart due to broken screws. Subsequently, we had the injector sample returned and our Quality Assurance team found that the failure was due to hydrogen embrittlement on both screws. Test pieces from the same production lot were sampled and we found no additional signs of screws being affected by the hydrogen embrittlement. Additional quality checks were made on the injectors at the same time and we found no additional evidence of non-conforming screws. We remain confident in this product and are sure it will continue to meet or exceed customer expectations for many years to come.

These cap screws are only noticeable when changing out manifolded injectors or if the need arises to make repairs to an injector. These screws are an integral part of each individual injector as they hold the upper and lower body and plunger together. If they were to break or start pulling apart, the injectors would leak and would not perform as expected.

The **272796** part number will remain the same. The obvious difference will be that they will now be "black" in color as they will be coated with black oxide. The new black oxide coated cap screw will not contain the hydrogen embrittlement. Documentation has been released to make the black oxide coated screw standard and all stock of the old plated socket screws has been scrapped. If you have standard plated screws in stock as repair items and no longer want to use them, please feel free to contact us at Lincoln and arrangements will be made on an N/C basis.

Attached you find the current service page on the SL-V and SL-V XL injector family. The **272796** socket head screws are **part number 20**. Please make sure that you follow the recommended torque guidelines if you do replace the screws. They are to be tightened to 30-40 inch pounds

As always, if you have questions or concerns, please do not hesitate to call Lincoln Technical Services at 314/679-4200, Ext. 4782, or fax us at 314/679-HELP (4357).



Regards,

Barry Frankum