

SVS-03-10  
9/20/2010**TO: ALL ISUZU POWERTRAIN DISTRIBUTOR AND DEALER SALES AND SERVICE DEPARTMENTS****SUBJECT: SPECIAL ECM PROGRAMMING MAY BE REQUIRED FOR HITACHI SRO ENGINES**

Isuzu Motors America, LLC PowerTrain Division (ISZAPT) would like to inform our Distributors and Dealers of special ECM programming which may be required when replacing Isuzu Tier 3 engines in Hitachi excavators.

Later built excavators have a fuel pressure monitoring system in the filter head that is monitored by the ECM for fuel system control. Earlier built excavators do not have this fuel pressure monitoring system. While the engine specifications for the early and late build excavators are the same, the ECM calibrations are different. When replacing the engine in an earlier build excavator the ECM will need to be programmed to back date the software. This will prevent the ECM from looking for an input from the fuel pressure sensor. If the ECM programming is not performed flash code 221 (P1293) will set. While this code does activate the MIL it does not have an effect on engine performance.

To determine if ECM programming is required please refer to the attachment titled "*ECM Version*" and compare your failed engine serial number and specification. The spreadsheet has serial number breaks as well as A and B engine data. Earlier build engines are referred to as A engines while later build engines are referred to as B engines. For step by step instructions to back date the software please refer to the attachment titled "*Engine Replacement Mode*".

For additional information related to the reprogramming of Hitachi ECMs please contact me at [klayton.katterman@isza.com](mailto:klayton.katterman@isza.com) or 734-582-9427.

Best Regards,

*Klayton Katterman*

attachments