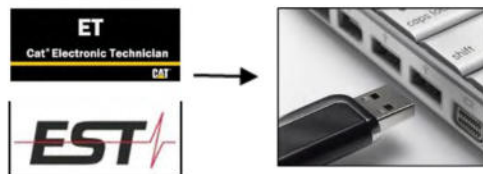


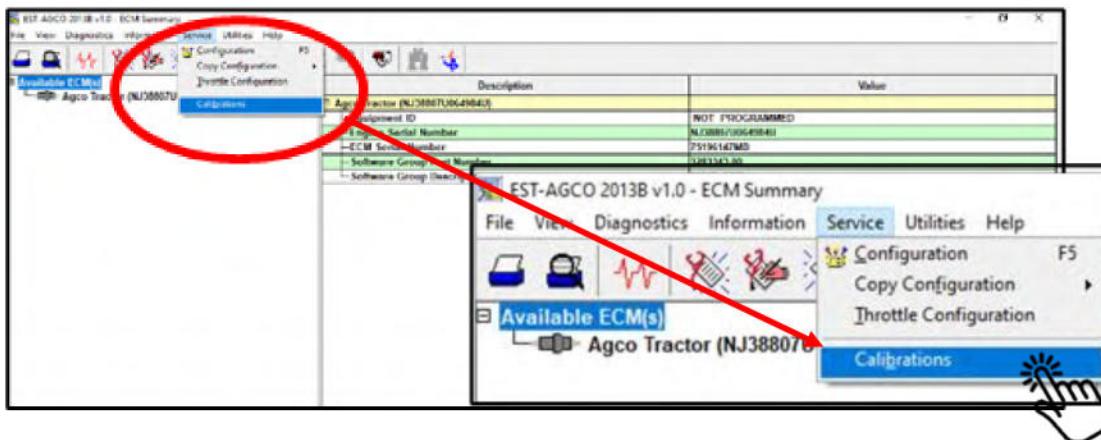
SUBJECT: Alliant Power Perkins® Common Rail Injector Trim Code Programing Instructions

Each Alliant Power Perkins® common rail injector contains a USB loaded with a UNIQUE injector trim code. It is important to keep each USB drive with it's corresponding injector. Whenever an injector is installed in an engine, the trim code on the injector must be programmed into the ECM. Failure to follow this special instruction may result in the performance of the engine.

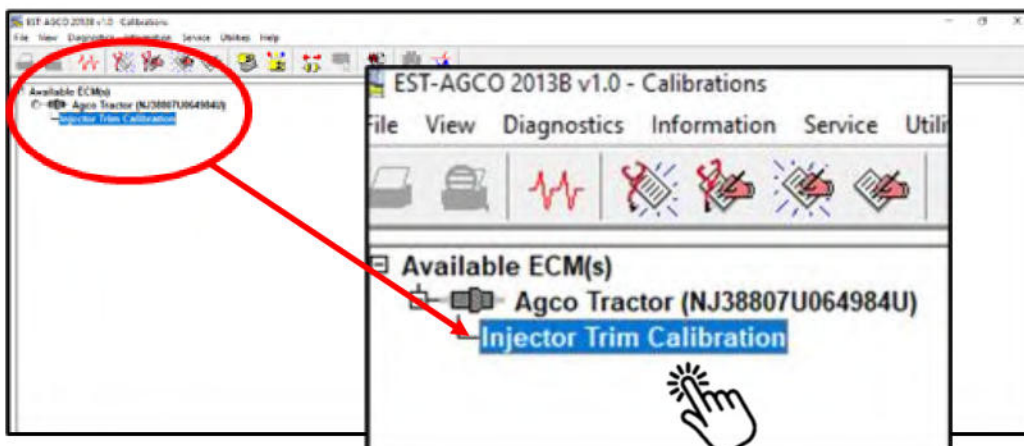
1. With CAT® Electronic Technician loaded on your PC, connect your included USB drive.



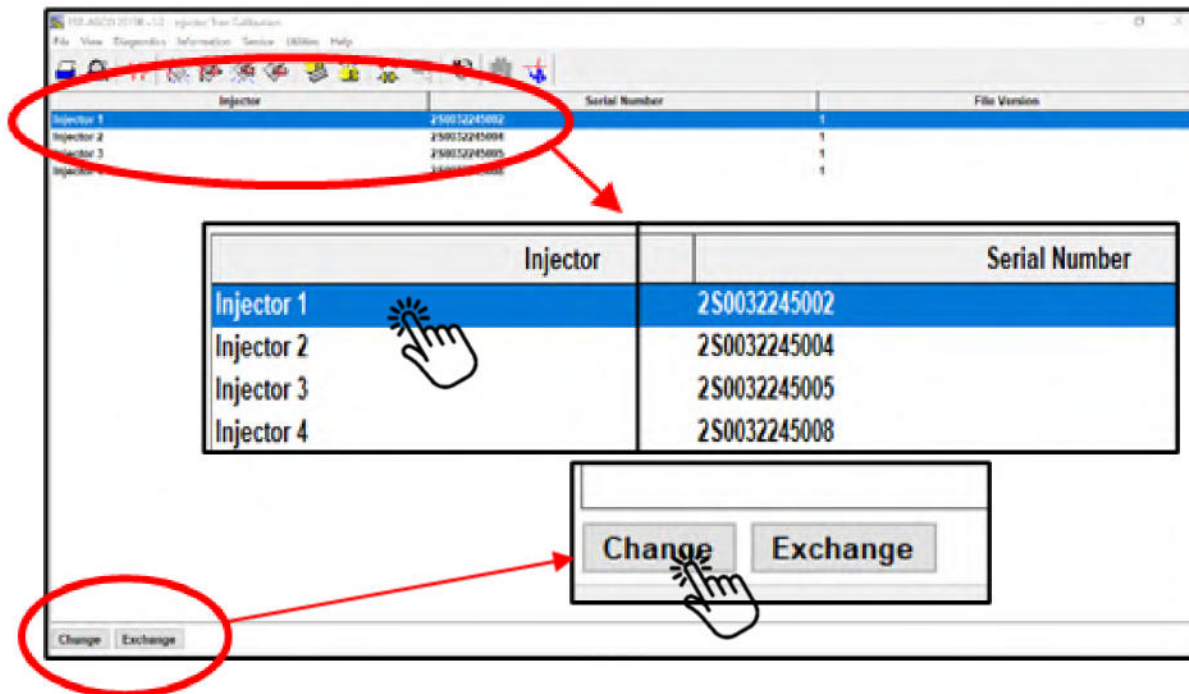
2. Select the *Service* tab followed by *Calibrations*.



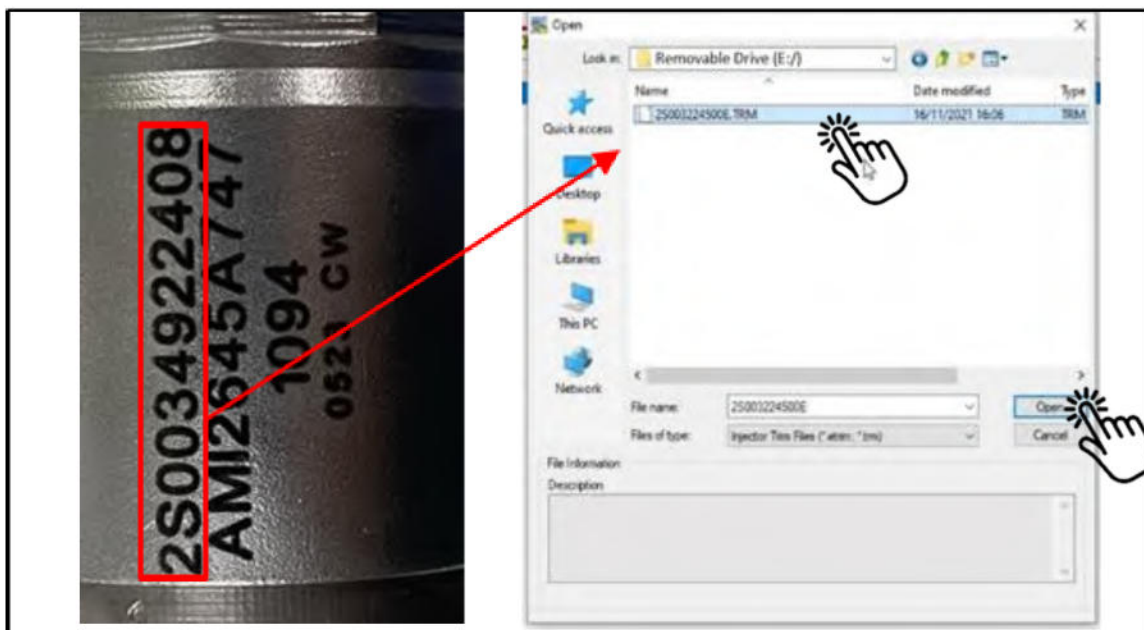
3. Select *Injector Trim Calibration*



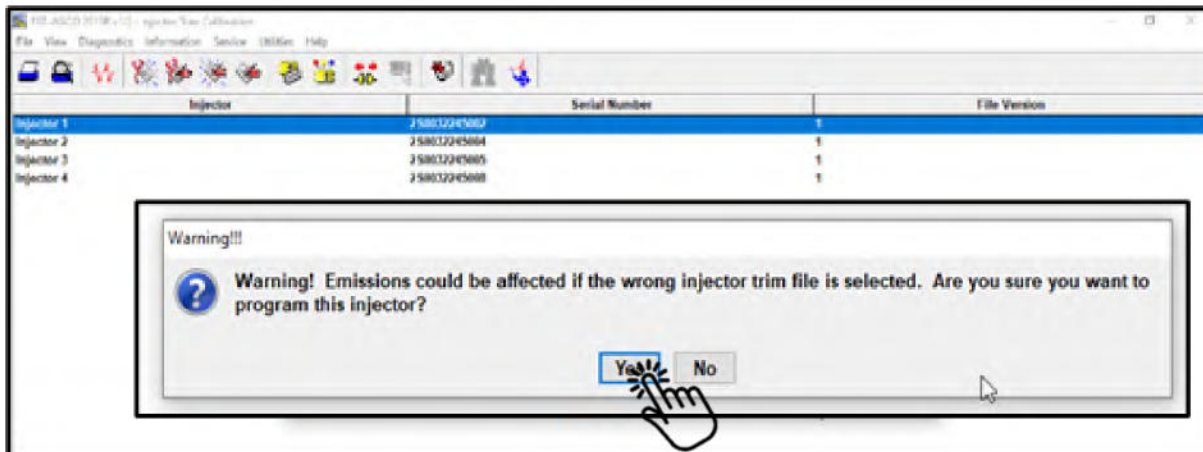
4. Select the injector you are installing and click *Change* at the bottom left corner.



5. After you select *Change* the program will open a Windows box which should display the file from your USB drive which should match the serial number on your new injector. Select this file and click *Open*.



6. A *Warning* will appear to confirm you are selecting the correct injector. If everything looks correct, click *Yes*.



7. Injector programming should now be complete. Repeat steps 1-6 if you have multiple injectors to replace in the engine.