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Sent: 2/28/2024 8:52:24 PM
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Subject: RE: Update from Gabe on CX430 - smart regen & SS - drivers and possible fix with config update (much easier)
Sensitivity: Private

Hi everyone,

Today I ran a test on our 21MY CX430 test vehicle with the updated BCM calibration to detect an open/failed battery.

With the new BCM calibration, I expect the following actions to occur when an open battery is detected:

- Inhibit Stop/Start
- Inhibit Smart Regen Charging (SRC)
- Set warning message "Charging System Service Soon"
- Set BCM DTC B11D9-09

Here was my test case for verifying this calibration works as intended:

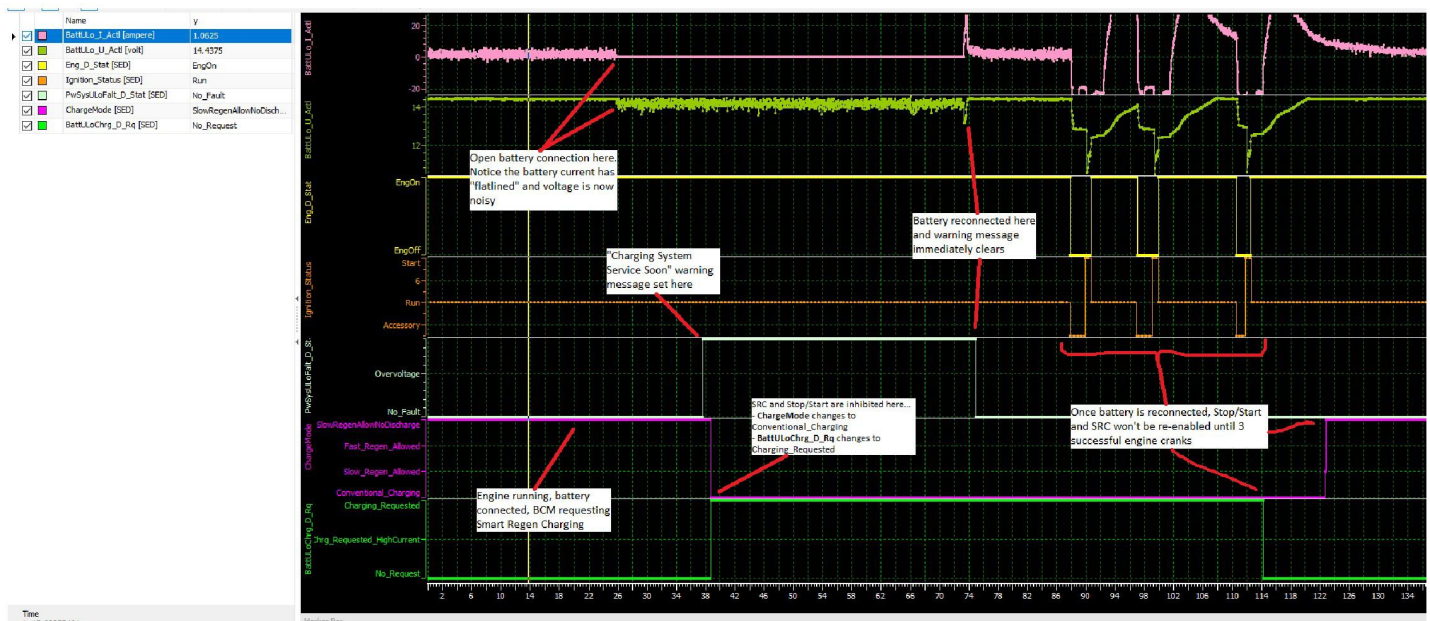
1. Start engine with battery connected
2. Open battery negative terminal
3. Confirm the actions listed above are met
4. Re-connect battery negative terminal
5. Perform 3 engine cranks to re-enable S/S and SRC

Shown below is an image of my test results showing the new BCM calibration works as intended, and BCM DTC B11D9-09 sets as intended.

DTC Summary:

1 DTCs found in ECU ID: 0x726 (BCM)

DTC #1: 0x91D909 (B11D9-09) [Vehicle Battery - Component Failure] Status: 0x0A (Failed This Operation Cycle)



Let me know if you have questions.

Jason Baker

Phone: 313-407-1144

Sensitivity: Private

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