

| PROCEDURE | | | |
|------------|---------------|-----------|---|
| Reference: | PR20220901-01 | | |
| Version: | 01.0 | Category: | E |

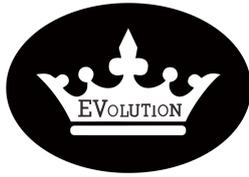
| MODEL(S) | GOAL | |
|-----------------------------------|---------------------|---|
| ALL EVOLUTION PLUS MODELS | Quality improvement | √ |
| | Performance | √ |
| | Upgrade | √ |
| PARTS INFO EV48-400 CONTROLLER | Down time | |
| | Maintenance | √ |
| | Work around | √ |
| | Others: | |

| VERSION CONTROL: | | | |
|------------------|----------|------------|----------------|
| Author: | Version: | Date: | Change/update: |
| Arvin | 01.0 | 2022/09/01 | |

| TITLE |
|--|
| HOW TO FIX THE ALARM “ BUSBAR OVERVOLTAGE FAILURE” |

| DESCRIPTION /PURPOSE OF THIS PROCEDURE |
|---|
| The EVOLUTION controller always warns the “Bus overvoltage failure” or “Busbar overvoltage, brake output current red...” while driving. |

| TOOLS REQUIRED |
|---|
|    <ul style="list-style-type: none"> • Data transfer cable for EV48-400 controller • Laptop (Windows 7 or up) • Software pack for EVOLUTION controller |

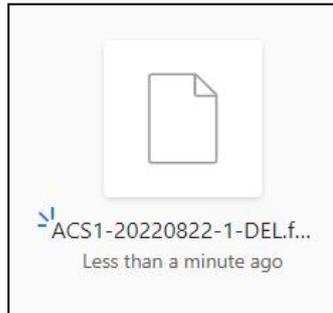


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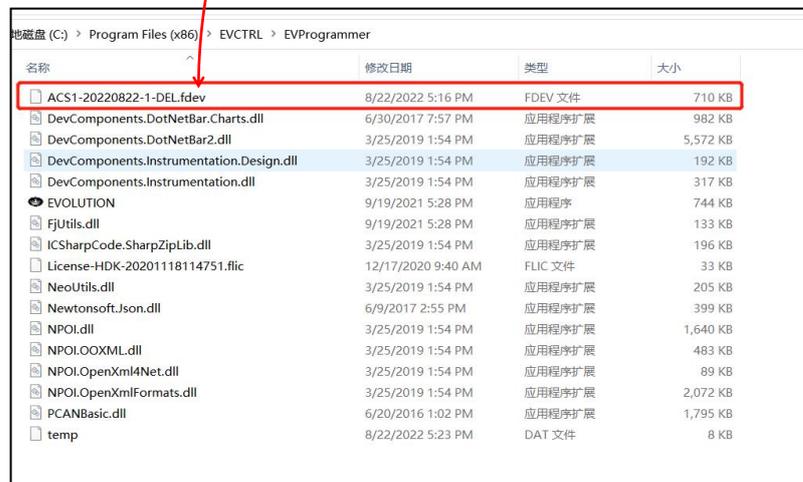
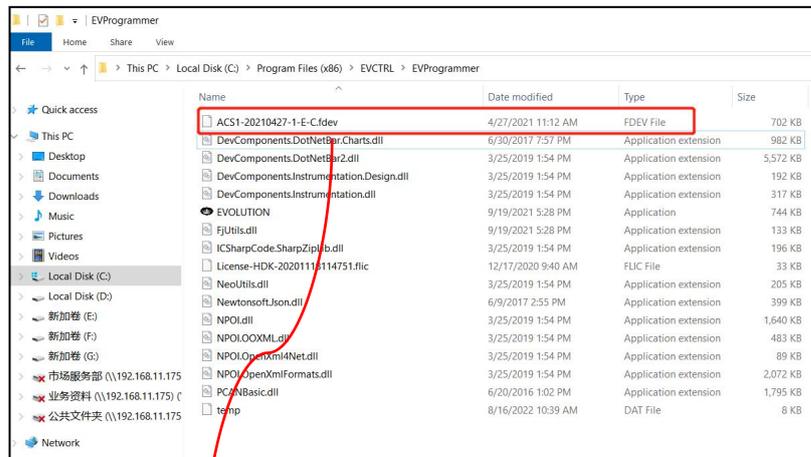
| | | | |
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| Reference: | PR20220901-01 | | |
| Version: | 01.0 | Category: | E |

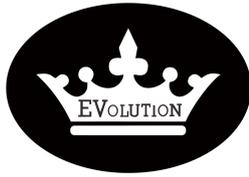
HOW TO DO?

-Step 1. Download the data file “**ACS1-20220822-1-DEL.fdev**” from one drive link:
<https://1drv.ms/u/s!ApwLN64cwzflhGuBeuiyRexfJdtg?e=H3tXT9>



-Step 2. Replace the original data file “ACS1-20210427-1-E-C.fdev” with new file “**ACS1-20220822-1-DEL.fdev**” downloaded from One Drive. The data files is located in the installation folder in C:\Program Files (x86)\EVCTRL \EVProgrammer





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-Step 3. Plug the “Data transfer cable” to controller and your laptop.



Data transfer cable



USB connector plugged to your laptop



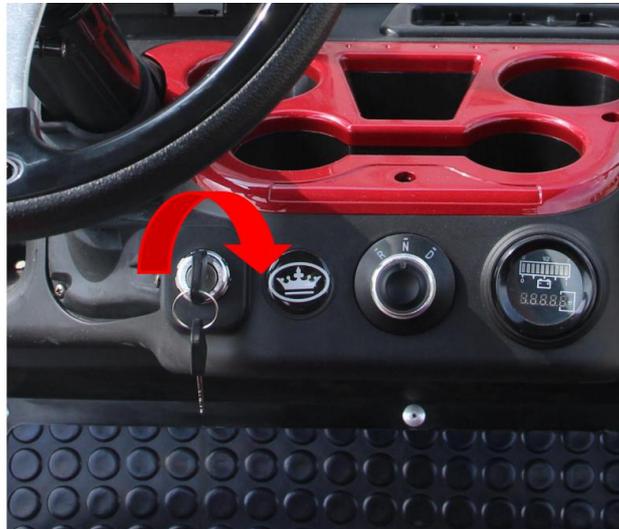
4 Pin square connector plugged to vehicle programming interface on the wiring harness



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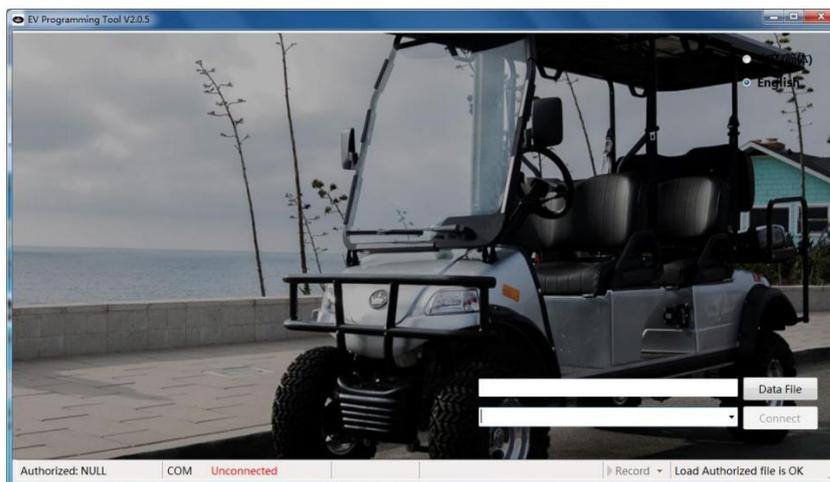
-Step 4. Turn on golf cart power supply (switch on key switch) .



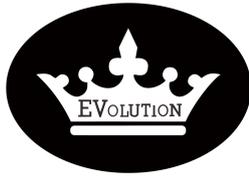
-Step 5. Open “EVOLUTION” the interface software .



Click on software Icon



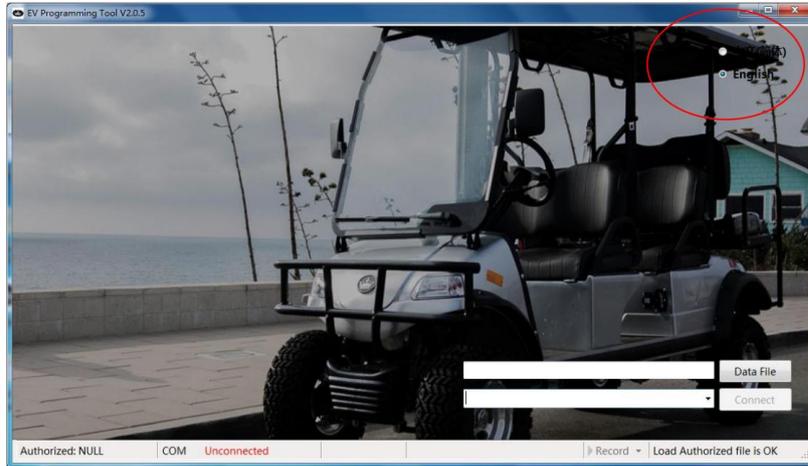
Software interface



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-Step 6. Select Language options.

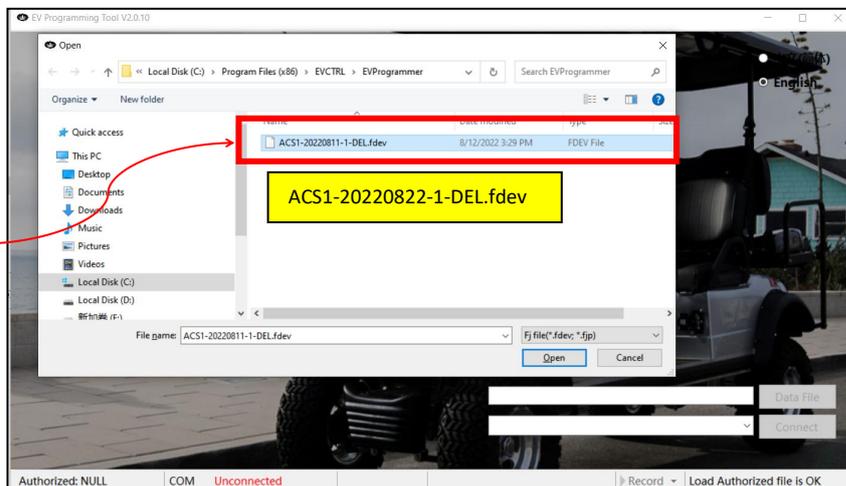
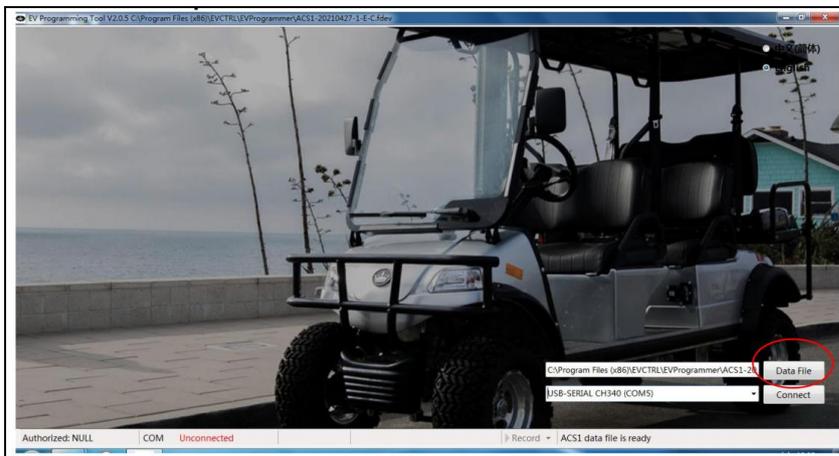


-Step 7. Load data file.

>Click on “Data file”Icon

>Select data file (data file is in the installation folder in C:\Program Files (x86)\EVCTRL\EVProgrammer)

>Select file then Click on “Open”

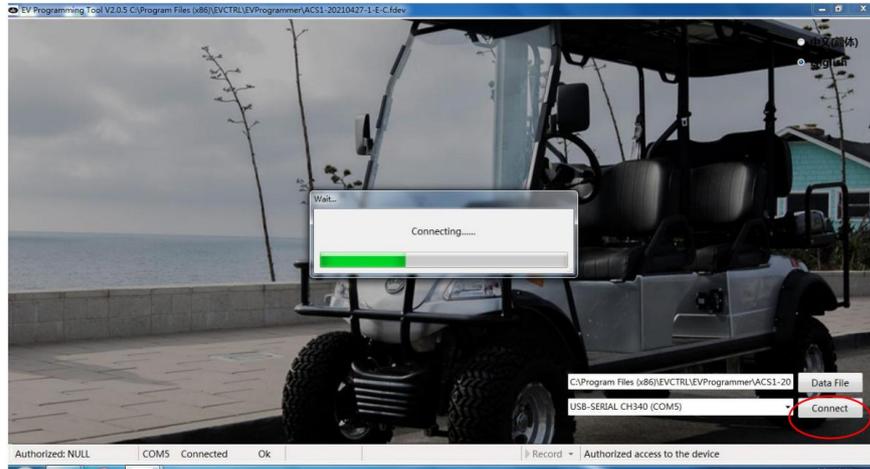


This data file is the new one replaced in Step 2

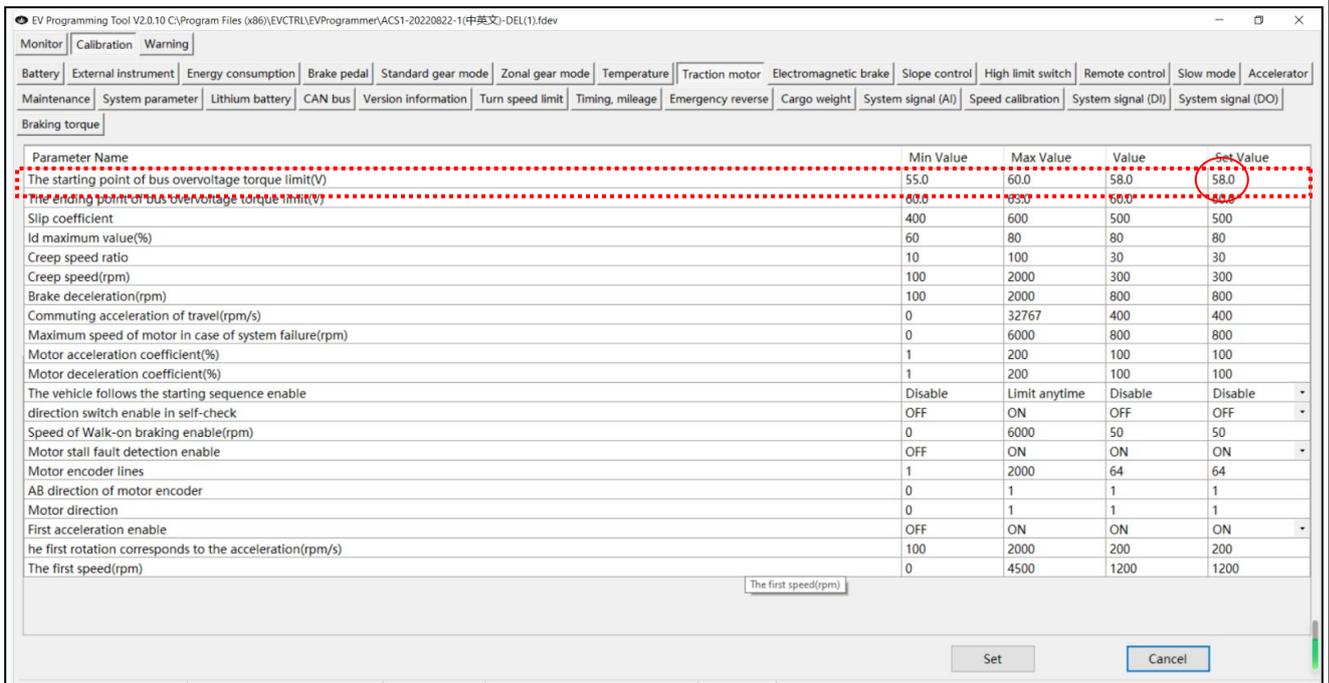


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-Step 8. Click “Connect” to establish the connection with Controller.



-Step 9. Enter into the “Calibration” menu, select “Traction motor”, adjust the “The starting point of bus overvoltage torque limit (V)” set value to “58”, click “set” button to activate the adjusting.



-Step 9. Turn the key off and turn the key on again to make the adjustment take effect.