



## ECU845 UNREADABLE SCREEN, CONTRAST ADJUSTMENT AND FIRMWARE UPDATE

### APPLICABLE TO MODELS

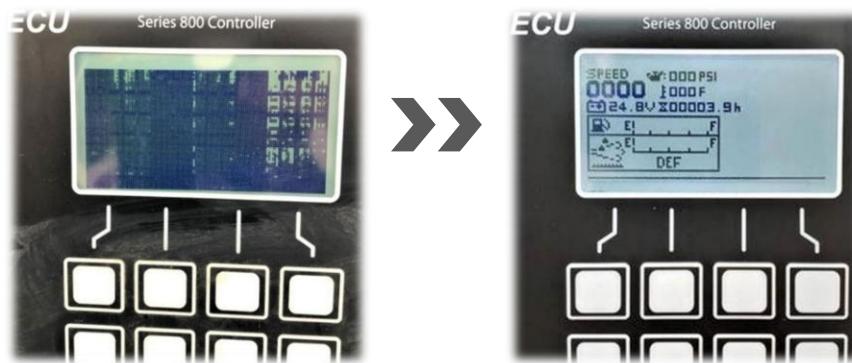
DCA70SSIU4F DCA125SSIU4F DCA180SSJU4F3 DCA300SSJU4F3 DCA600SSV4F3  
DCA70SSJU4F DCA150SSJU4F3 DCA220SSJU4F3 DCA400SSI4F3

Some ECU845 controllers may present with a partially unreadable display screen due to exposure to extreme weather condition. The occurrences of dark screens can be resolved by the following...

**Step 1:** Making a Display Contrast Adjustment in the controller settings to make the screen more readable.

**Step 2:** Updating the controller Firmware.

Please reference page 2 of 2 to proceed with the firmware update process then contact the MQ Power Technical Support Department at 800-835-2551 or at [mqptechsupport@multiquip.com](mailto:mqptechsupport@multiquip.com) to request the newest firmware for your controller.



### CONTRAST DISPLAY ADJUSTMENT PROCEDURE:

**1) Put the unit controller in Diagnostic mode:**

- Press and hold the hour meter button while placing the Auto-OFF manual switch into Manual
- Release the hour meter button after a few seconds

**2) Contrast Display Adjustment:**

- Depress the "Program/Exit" button to continue
- Scroll to "USER LOGIN" by depressing the "DOWN" button
- Depress the "SELECT" button to continue
- SELECT "ENTER LOGIN"
- Enter the service password (75057) by navigating with buttons <<< & >>> and depressing the "SELECT" button to make character selections
- After entering the password, depress the "BACK" button to continue and then select "SAVE"
- Scroll to "ADVANCED OPTIONS" menu and select "DISPLAY CONTRAST"
- In "DISPLAY CONTRAST", change the "VALUE" to "0" and select "SAVE"
- The settings change is completed



## ECU845 UNREADABLE SCREEN, CONTRAST ADJUSTMENT AND FIRMWARE UPDATE

**FIRMWARE UPDATE** - After the contrast change, the controller will require a firmware update.

**Note:** It is recommended to load the firmware file on a blank/empty USB flash drive (2.0 speed rate) or low speed rate for easier installation.

### FIRMWARE UPDATING PROCEDURE:

**1) Put the unit controller in Diagnostic mode:**

- Press and hold the hour meter button while placing the Auto-OFF manual switch into Manual. Release the hour meter button after a few seconds.

**2) Proceed:**

- Depress the "Program/Exit button to continue
- Scroll to "USER LOGIN" by depressing the "DOWN" button
- Depress the "SELECT" button to continue
- SELECT "ENTER LOGIN"
- Enter the service password (75057) by navigating with buttons <<< & >>> and depressing the "SELECT" button to make character selections
- After entering the password, depress the "BACK" button to continue and then select "SAVE"
- Scroll to "ADVANCED OPTIONS" menu and select "INSTALL/COPY PROGRAMS"
- Select "FIRMWARE UPDATE" then install pre-loaded flash drive into the USB port on back of controller
- Select "BROWSE" and Locate the file to be installed then press "GO"
- Controller will Validate source and start to copy the program. Once completed, select "OK" to continue
- Controller will state "FIRMWARE UPDATE ARMED", press "GO" to continue
- A Verification and controller reboot will start. Once controller is "Rebooted" the firmware update is now complete
- Power balance enabling (if equipped); navigate to customer options > Loadbank Control > Control Enable, INC value to 1, select Save.
- CAN TIMEOUT DTC clearing; navigate to fault diagnostic menu > ECM Memory Clear > Hold down request button for 3 sec.
- E-Stop SD active; if the machine is not equipped if an external e-stop, Navigate to Customer Options > Switch Monitors > E-Stop Switch Enable > DEC the value to 0 > Select Save.

**MQ Power Tech Support 800-835-2551 or [mqptechsupport@multiquip.com](mailto:mqptechsupport@multiquip.com)**