Technical Service Bulletin

Technical Service Bulletin: TSB210013	**Released Date**: 22-Jan-2021
C500 D6RE Fault Code 5866 Harness Fix	

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

Note: This only affects to the products with the Serial Numbers mentioned below.

- C500 D6RE
  - J200824749
  - J200824971
  - J200833648
  - J200836024

Issue

Harness mis-wiring.

Symptom:

- Fault Code 5866 is detected when relay voltage feedback is greater than the calibrated threshold for a calibrated duration while the DEF pump power is OFF.

Root Cause:

- Harness is mis-wired such that the DEF pump return input at the controller is receiving continuous 24 VDC from an erroneous wire.

Verification/Confirmation

- Use multimeter to measure voltage from CC4C pin 3 to ground.
  - If the voltage stays stable regardless of the DEF pump status (ON/OFF) than issue is been identified.

Resolution

Harness needs to be rewired per the instructions given in the Service Instructions section of this bulletin.

Service Instructions

1. Identify Relay 5. Figures 1, 2, 3 show the location of the harness.

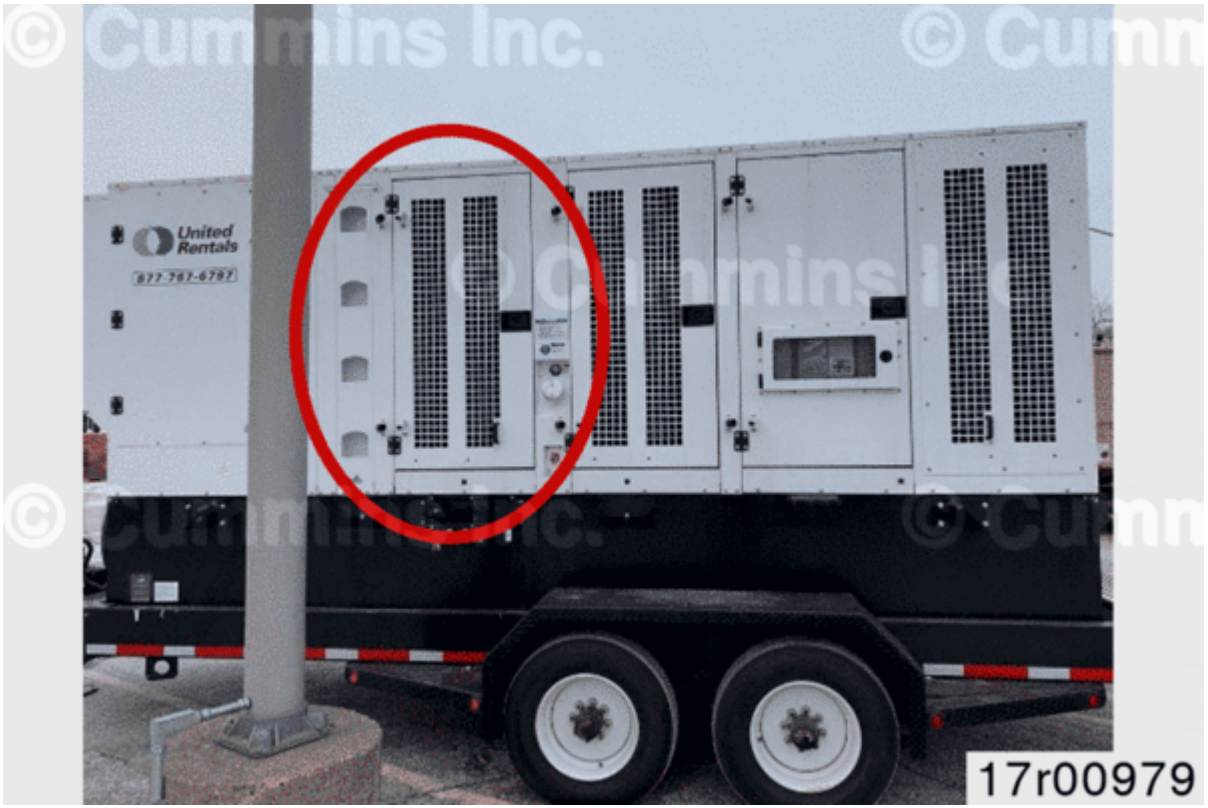

Figure 1, Service Door access

Figure 2, Location of harness

Figure 3, Harness relay circled in red

2. Using quick Splice for wire gauge, splice into wire 33 that connects to R5-87 pin.

Figure 4, Splice into wire 33 that connects to R5-87 pin

3. Remove wire going into pin 3 on CC4D.

3 a. Tape to avoid short circuit to metal parts.

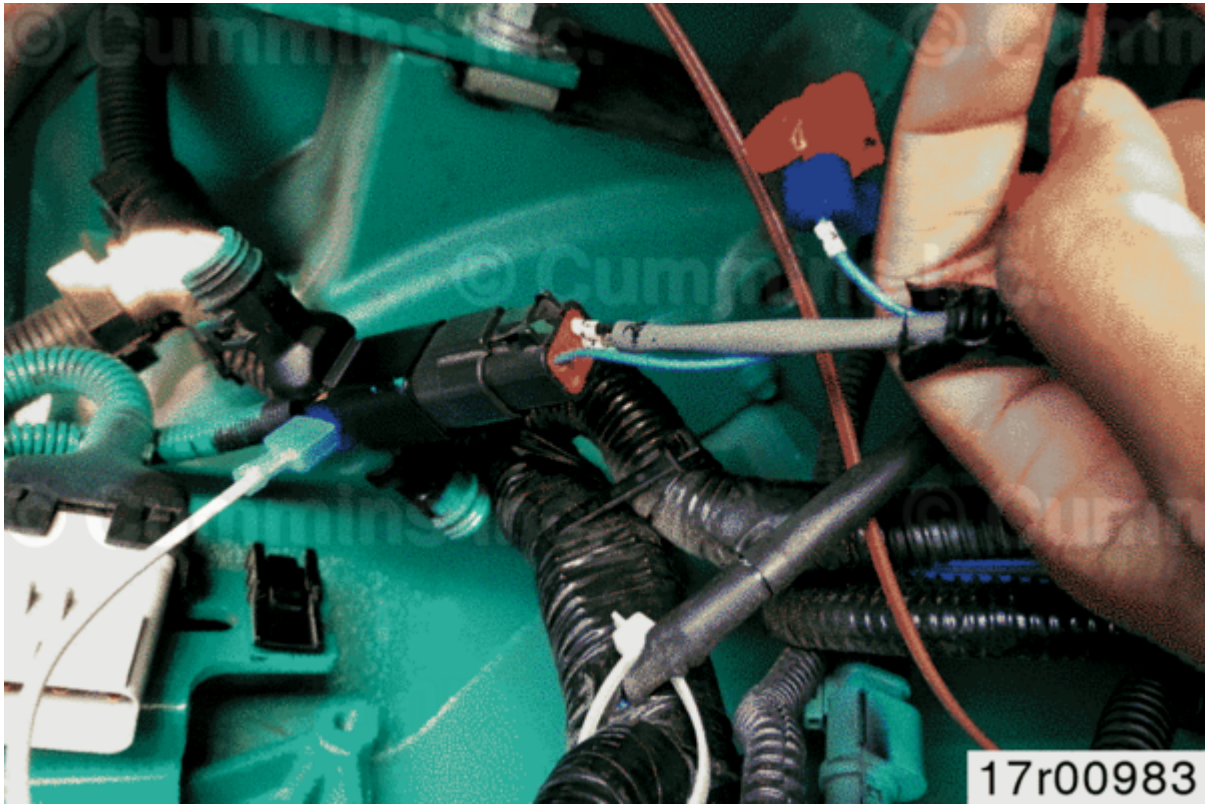

Figure 5, Removed wire - taped to avoid short circuit

4. Using quick splice for wire gauge. Splice into wire at CC4C pin 3.
5. Connect a new wire between splices.

Document History

Date	Details
2021-1-20	Module Created

Last Modified: 22-Jan-2021