



Technical Service Bulletin

Technical Service Bulletin: TSB210013	Released Date: 05-Feb-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.

Service Instructions

1. Install updated enclosure wiring harness from enclosure supplier, Girtz Industries.
 - 1 a. This fix only applies if this updated harness has been installed.
2. Reroute wire from P61 pin 29 to CC4D pin 3 on harness A064J490

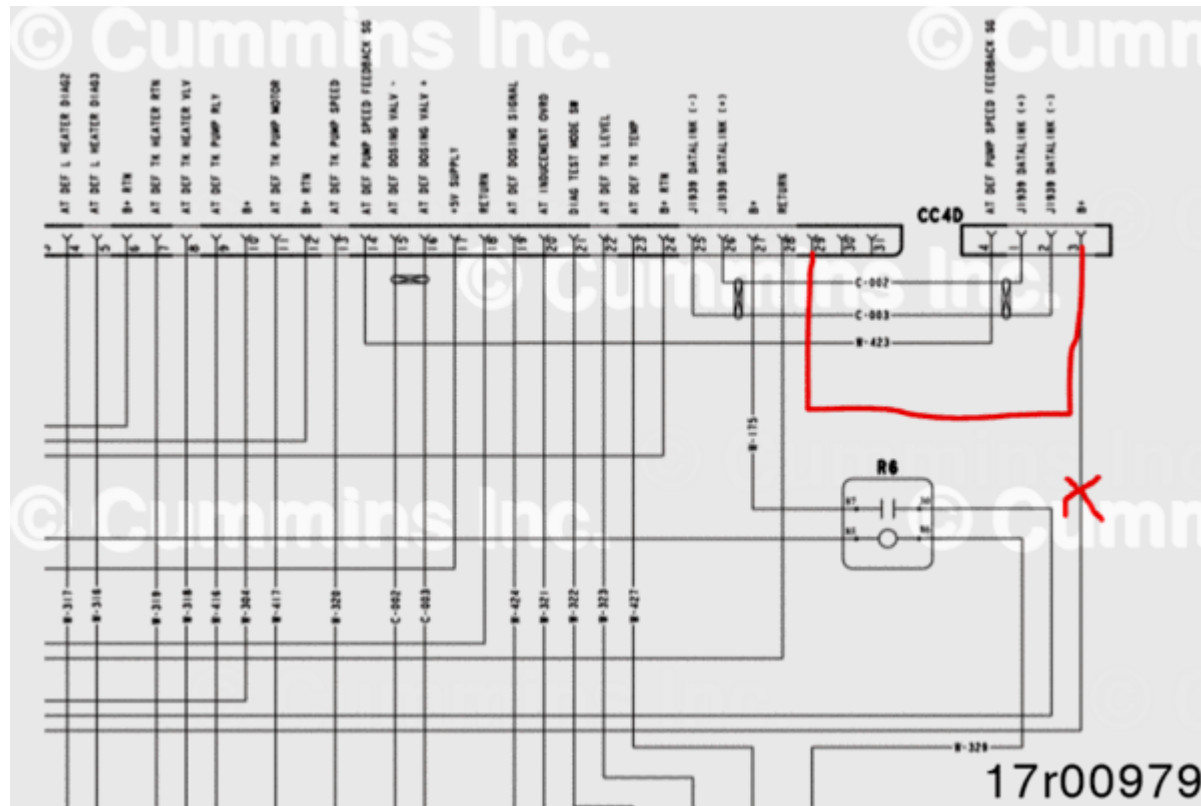


Figure 1, New routing of CC4D-3 Wire

2 a. Identify Connector CC4D and Connector P61

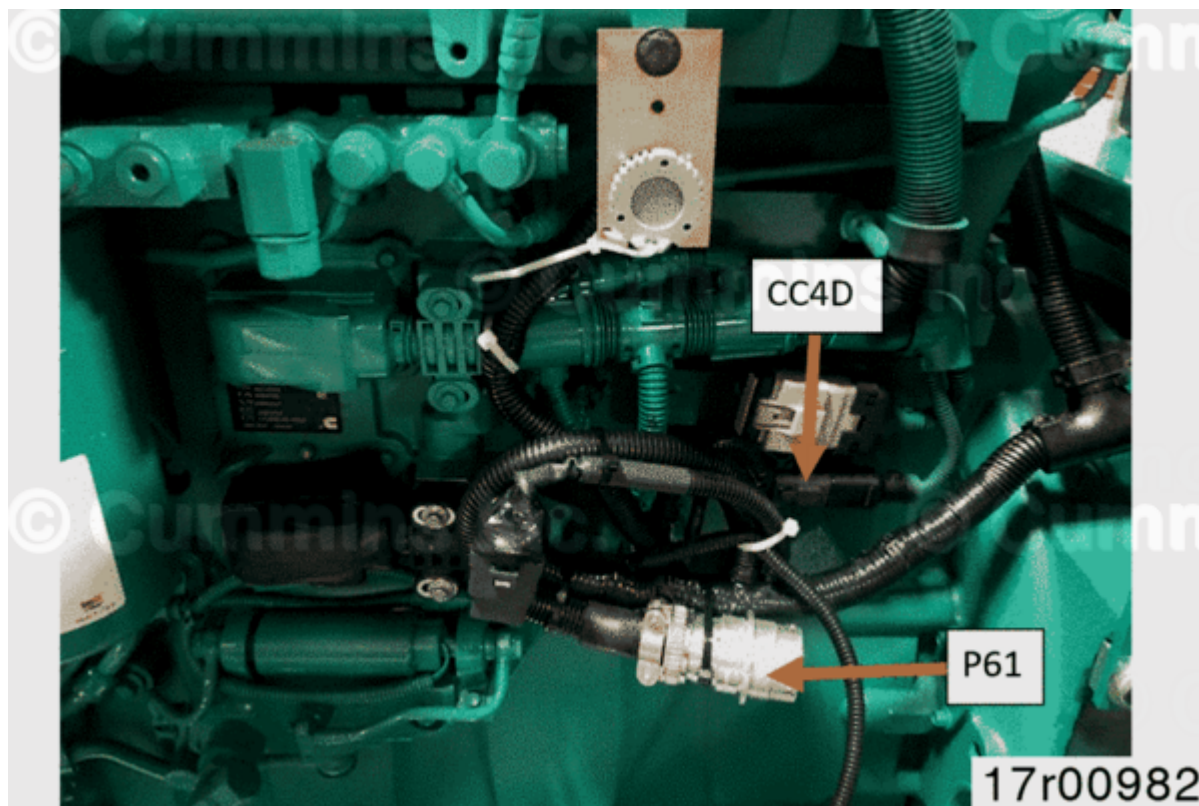


Figure 2, Identification of Connectors P61 and CC4D

2 b. Cut the wire leaving from CC4D-3 close to splice SP23-2.

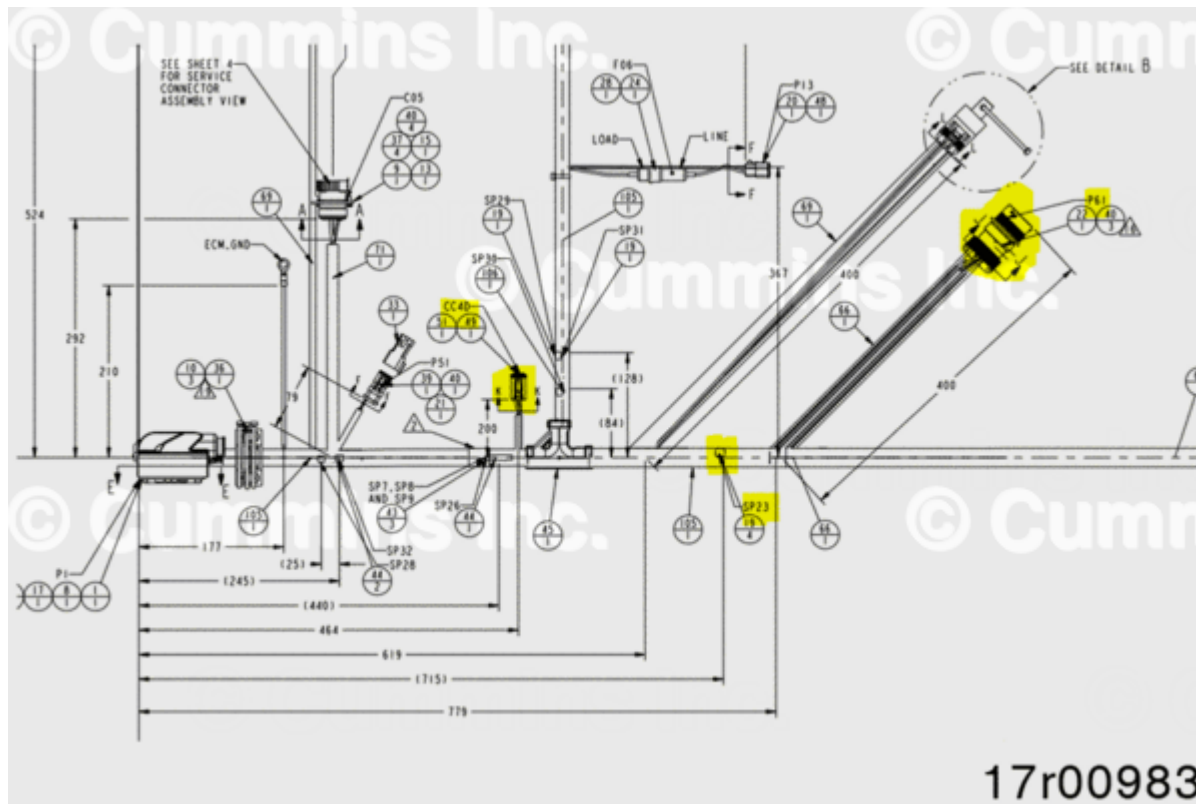


Figure 3, Approximate location of SP23 on Harness A064J490

- 2 c. Tape and secure exposed wire end from SP23-2 to prevent shorting
- 2 d. Route wire from CC4D-3 into P61-29, extend as necessary
- 2 d i. Use butt-splice connector to extend clipped wire from CC4D-3
- 2 d ii. Use size 18 AWG wire to extend to reach P61-29
- 2 d iii. Use a size 16 pin inside the P61 connector body (pin Part Number 0323-1492)
- 2 e. Install the extended wire with pin into P61-29
3. The fault code 5866 will no longer be active if the fix has been properly identified.

Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts				
Part Description	Existing Part Number	Obsolete	Superseded	New Part Number
Pin	0323-1492	No	No	

Document History

Date	Details
2021-1-20	Module Created
2021-2-4	Non-Product Problem Solving (PPS)

Last Modified: 05-Feb-2021
