

P1693

Fault code description

Ether fluid control - Short circuit to supply on ECU (D365) pin (C4)

Possible cause

1. Faulty wiring
2. Faulty connector
3. Faulty valve

Additional information

-

Set condition of fault code

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Reset condition of fault code

-

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P1693, Diagnostic information

Technical data

Refer to the OEM service manual for more information.

Location of component(s)

Refer to the OEM service manual for more information.

Electrical diagram(s)

Refer to the OEM service manual for more information.

Description of component(s)

Refer to the OEM service manual for more information.

Block diagram

"PMCI-2"

Step by step troubleshooting



Please perform the troubleshooting steps below by utilising the breakout harness if necessary to check electrical components such as sensors, electrical control units or harnesses. Back probing is not recommended as it could damage the harness. The ignition should always be in the **OFF** position when connecting or disconnecting electrical components to reduce the likelihood of damage to electrical components.



- This troubleshooting tree is based on the assumption that supply power and earth to the PMCI are functioning properly.
- Disconnecting the PMCI connectors during the troubleshooting process will result in multiple errors.
- For specific electrical component information and pin out locations, always refer to the technical data in Rapido.

- It is necessary to exit the 'active errors' screen in DAVIE and run the diagnostic test again to identify a change in errors.
- Remember that the truck's operational or mechanical issues may be the root cause of both active and inactive codes. Refer to the 'possible causes' section in Rapido.

Step by step 1: Visual inspections

Troubleshooting steps

1. Visually inspect the associated component connections and wiring for any of the following:
 - Moisture or dirt in the connections.
 - Damage to the wire harness or insulation.
 - Damaged or disconnected ECU connections.
 - Battery damage or loose battery terminal(s).
 - Improperly inserted terminals.
 - Damaged or loose terminals, possibly caused by probing.

Was there evidence of any of the above?

- **Yes** – Clean, adjust, repair or replace affected components for any issues identified.

Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, proceed to step 2.

- **No** – Proceed to step 2.

Step by step 2: Electrical checks

Troubleshooting steps

1. Refer to the links at the top of this document and the OEM service manual for more information.
2. Check for a short circuit

Is there a short circuit?

- **Yes** – Make the appropriate repairs or component replacements.

Use DAVIE to re-check for the presence of active faults. If this related fault is no longer active, then this issue has been resolved. If this related fault is still active, proceed to step 3.

- **No** – Proceed to step 3.

Step by step 3: Ether fluid control valve

Troubleshooting steps

1. Replace the ether fluid control valve.
2. Use DAVIE to verify that the fault is no longer active.

Is the fault code inactive?

- **Yes** – Troubleshooting completed.
- **No** – Proceed to step 4.

Step by step 4: Contact PACCAR Engine Support Center

Contact the PACCAR Engine Support Center for further assistance.

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