

## P0217

### Fault code description

Engine coolant temperature - Too high

### Possible cause

1. Faulty fan
2. Faulty thermostat
3. Fouled/blocked radiator

### Additional information

Monitoring for too high coolant temperature

### Set condition of fault code

This diagnostic runs continuously after the ignition is switched on.

The PMCI-2 detects a coolant temperature above 237°F (114°C)

### Reset condition of fault code

This fault code will change to inactive immediately after the diagnostic runs and passes.

This fault cannot be cleared from the ECU memory. Contact the Engine Support Center for further instructions.

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## P0217, 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)

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### Description of component(s)

"Thermostat"

### Block diagram

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## 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: Oil and coolant

### Step 1A: Check oil and coolant

#### Troubleshooting steps

1. Check oil level and oil quality (need oil change?).
2. Check the coolant level.

#### Was any issue found?

- **Yes** – If oil or coolant levels are low, then fill. Ask the driver if they fill these often, then check for leaks. If they refill often and there are no leaks, contact PACCAR Engine Support Center as there may be an internal leak. Proceed to step 2A.

If there is a visible leak, repair/resolve the issues. Proceed to step 2.

- **No** – Proceed to step 2A.

## Step by step 2: Wiring

### Step 2A: Visually check wiring

#### Troubleshooting steps

1. Visually check the wiring to and from the coolant temperature sensor.

#### Is there any issue?

- **Yes** – Resolve issues as needed. Proceed to step 3.

- **No** – Proceed to step 3.

## Step by step 3: Coolant temperature

### Step 3A: Coolant temperature

#### Troubleshooting steps

1. Run a regeneration and watch the coolant temperature to make sure that the thermostat is opening.

#### Is the thermostat opening?

- **Yes** – Replace the coolant filter. Proceed to step 4.
- **No** – Replace the thermostat, if needed (drain the coolant, check the coolant for strange colours or debris). Proceed to step 4.

## Step by step 4: Check EGR

### Step 4A: Check EGR cooler

#### Troubleshooting steps

1. Check the EGR cooler by pressure test (see Engine Rapido for procedure and tool).

#### Did the test pass?

- **Yes** – Proceed to step 5A.
- **No** – The EGR cooler may need to be replaced. Proceed to step 5A for further assistance.

## Step by step 5: Contact PACCAR Engine Support Center

### Step 5A: Assistance

Contact the PACCAR Engine Support Center for further assistance.

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