

P1506

Fault code description

Vehicle speed - Data erratic, intermittent or incorrect

Possible cause

1. Number of teeth differs from calibration

Additional information

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Set condition of fault code

Vehicle acceleration is more than 25 mph/s

Reset condition of fault code

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

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P1506, 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)

["PMCI-2"](#)

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: Vehicle Speed fault

Step 1A: Check for fault codes

Troubleshooting steps

1. Switch the key switch on.
2. Use DAVIE to see if the fault code becomes active.

Is the fault triggered at key on or 0 vehicle speed?

- **Yes** – Ignore the fault. Troubleshooting complete.
- **No** – Proceed to step 2A.

Step by step 2: Vehicle acceleration

Step 1A: Drive the vehicle

Troubleshooting steps

1. Drive the vehicle on a public road.

Is the vehicle acceleration steady?

- **Yes** – Proceed to step 3A.
- **No** – Ignore the fault. Troubleshooting complete.

Step by step 3: Brake system faults

Step 3A: Check for brake system fault codes.

Troubleshooting steps

1. Check if related faults are present in the brake system.

Are fault codes present?

- Yes – Proceed to related fault codes.
- No – Ignore the fault. Troubleshooting complete.

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