

## P3846

### Fault code description

EAS-3 actuator ECU - CAN communication error

### Possible cause

1. Active fault codes for engine or after-treatment sensors that provide inputs to the SCR system
2. Failed EAS-3 ECU.
3. Incorrect software in the EAS-3 ECU.
4. Failed EAS-3 actuator ECU.
5. Incorrect software in the EAS-3 actuator ECU.

### Additional information

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### Set condition of fault code

This diagnostic runs continuously when the key switch is ON.

The EAS-3 actuator ECU was expecting to see valid CAN messages from the EAS-3 ECU, but the actual data received was unreadable or an incorrect value.

### Reset condition of fault code

This fault code will change to inactive immediately after normal CAN communication is restored.

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## P3846, Diagnostic information

### Technical data

["Power supply and earth of EAS-3 actuator \(D375\)"](#)

["CAN connection. EAS-3 actuator \(D375\)"](#)

### Location of component(s)

["Location information. EAS-3"](#)

### Electrical diagram(s)

Refer to the OEM service manual for more information.

### Description of component(s)

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### Block diagram

["Block diagram EAS-3"](#)

### Step by step troubleshooting



Please perform the troubleshooting steps below by utilizing 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.



- Disconnecting the EAS 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.
- It is necessary to exit the fault



code menu 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 fault codes. Refer to the 'possible causes' section.

## Step by step 1: Check fault codes

### Step 1A: Check for fault codes

#### Troubleshooting steps

1. Turn the key switch ON.
2. Use DAVIE to check for fault codes.

#### Is fault code P3846 inactive?

- **Yes** – Proceed to step 2A
- **No** – Proceed to step 1B

### Step 1B: Check for fault codes

#### Troubleshooting steps

1. Turn the key switch ON.
2. Use DAVIE to check for fault codes.

#### Are there any active fault codes other than 3846?

- **Yes** – Proceed with the appropriate fault code
- **No** – Proceed to step 2A

## Step by step 2: Clear the fault code

### Step 2A: Disable the fault code

#### Troubleshooting steps

1. Connect all components.
2. Operate the system within the 'reset condition of the fault code' found in the



fault code information.

3. Use DAVIE to verify if the fault codes are inactive.

#### Is fault code P3846 inactive?

- **Yes** – Proceed to step 2B
- **No** – Return to the troubleshooting steps.  
Proceed to step 1A

If all the steps have been completed and checked again contact the Engine Support Center for further instructions.

#### Step 2B: Clear the inactive fault codes

##### Troubleshooting steps

1. Connect all components
2. Turn the key switch ON.
3. Use DAVIE to clear the inactive fault codes.

#### Have all the fault codes been cleared?

- **Yes** – Repair complete
- **No** – Troubleshoot any remaining active fault codes

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