



## Technical Information Bulletin

---

### E209



### Section

Engine

---

### Subject

MY2017-MY2019 PACCAR MX11/13 with DTC P2579 and/or P1581

---

### Release Date

10/30/2018

---

### Condition

The turbo speed sensor (TSS) may set a P2579 and/or P1581 DTC.

---

### Chassis Affected

Chassis with MY2017-MY2019 PACCAR MX-11/13 engines.

---

### Action

#### **FIX-AS-FAIL**

If a customer comes into your dealership and demonstrates the condition above, with NO other drivability issues, replace the turbo speed sensor. Use the procedure below.

---

## Warranty

Through Standard Warranty (includes Extended Warranty) Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 0.8 hours labor to pull DTCs, replace the Turbo Speed Sensor, clear DTCs, and road test to verify the repair. Use Quick Claim code E209.
- File a separate claim if diagnostics are required after replacing the part.

Kenworth dealers may perform E209 repairs on Peterbilt chassis, but Quick Claims do not apply. For Peterbilt chassis repairs, use the long claim input form in DWWC selecting "Draft/Offline Claims", the "General" tab, and in the "Type of Claim" drop down box, select "PACCAR Engine Claim", then manually enter claim codes (Campaign #, Failure type, and SRT).

CLAIM CODING			
Failure Location:	043-004-072	Work Accomplished:	35
Failure Type:	185	Responsibility Code:	01
SRT Code:	<b>045-989</b> Connect DAVIE and pull DTCs 0.1 hrs. <b>043-890</b> R&R Turbo Speed Sensor 0.1 hrs. <b>101-004</b> Clear Fault codes 0.1 hrs. <b>100-501</b> Road Test 0.5 hrs.	Claim Type:	F

## Parts

Parts are available from PACCAR Parts.

If the part number supersedes, **ALWAYS** use the latest available part number for this bulletin.

Quantity	Part Number	Description
1	2140166PE	Turbo Speed Sensor

## Procedure

The Turbo Speed Sensor failure is typically intermittent. The failure mode is extremely difficult to accurately diagnose through normal diagnostic procedures due to the nature of the failure. It may cause an intermittent lack of power that the driver may or may not observe. Some reports of the failure describe a condition where there is a lack of power under throttle, the throttle is backed off and then reengaged and the lack of power goes away.

1. Confirm DTC P2579 and/or P1581 is present—whether active or inactive. Do not perform any troubleshooting unless there are related concerns such as:
  - Constant lack of power
  - Other DTCs related to the turbo system
2. Replace the TSS. See Engine Rapido for details.
3. Validate the repair:
  - a. Start the engine and use the accelerator pedal to accelerate the engine speed to high idle (100 percent) and hold the engine speed at high idle for at least 20 seconds.

- b. The fault code should change to inactive or remain inactive.
  - c. Clear DTCs.
4. Road test the vehicle to verify the repair. If the DTCs reoccur during the road test, then perform normal troubleshooting per Engine Rapido.

---

Authored by: OF

---

Access to PACCAR's Enterprise Portal is provided as a benefit of doing business with PACCAR. All applications and content accessed through this system are confidential and proprietary and the property of PACCAR Inc and its suppliers, and must be kept strictly confidential pursuant to the contract licensing such access. Disclosure, publication, release or distribution of any material found on PACCAR systems to any person other than employees with a need to know such information is strictly prohibited. All activity on this system is monitored. If PACCAR suspects or discovers any unauthorized activity, access may be immediately terminated without prior notification. Violators may be subject to legal action.

© Copyright 2018 PACCAR Inc. All rights reserved. We welcome your [feedback](#) on this page. For technical questions or concerns about this page, please contact the [DealerNet Webmaster](#).