

<b>Technical Service Bulletin Number</b>	<b>Revision Level</b>	<b>Date</b>	<b>Group Number</b>
TSB130182			



## Technical Service Bulletin

### Subject

PACCAR™ Chassis with 2013 CM2350 Heavy Duty and MidRange Engines Setting Fault Codes 1921, 1922, 1981, 3375, and 3376.

### Issue

Affects Cummins® CM2350 ISX15, ISX12, ISL(PX9) and (ISB)PX7 in PACCAR™ Chassis.

Chassis List:

PACCAR™ Chassis List		
	Peterbilt™	Kenworth™
Next Generation Product (NGP)	579 and 567	T680 and T880
Legacy	<b>Not Affected</b>	W900, T700, T660, T800, T470, T440, T370, T270, and T170

**NOTE: See attached engine serial number (ESN) list for affected units.**

There are two ground wires in the diesel exhaust fluid (DEF) Supply module wiring harness. A green wire (GRN 3231) is the ground wire for the DEF pressure sensor ground return. A white wire (WHI 3232) is the ground wire for the DEF supply module tank heater ground return. The ground wires are installed in the wrong connector cavities on some CM2350 PX7, PX9, ISX12 and ISX15 engines. When the ground wires are installed incorrectly and the DEF supply module heater turns on, Fault Codes 1981,1921,1922, 1981, 3375, and 3376 can occur.

### Verification

The illustration below depicts the wires in the wrong locations. The green wire (GRN 3231) should be located in the number 4 connector cavity. The white wire (WHI 3232) should be located in the number 6 connector cavity.



## Resolution

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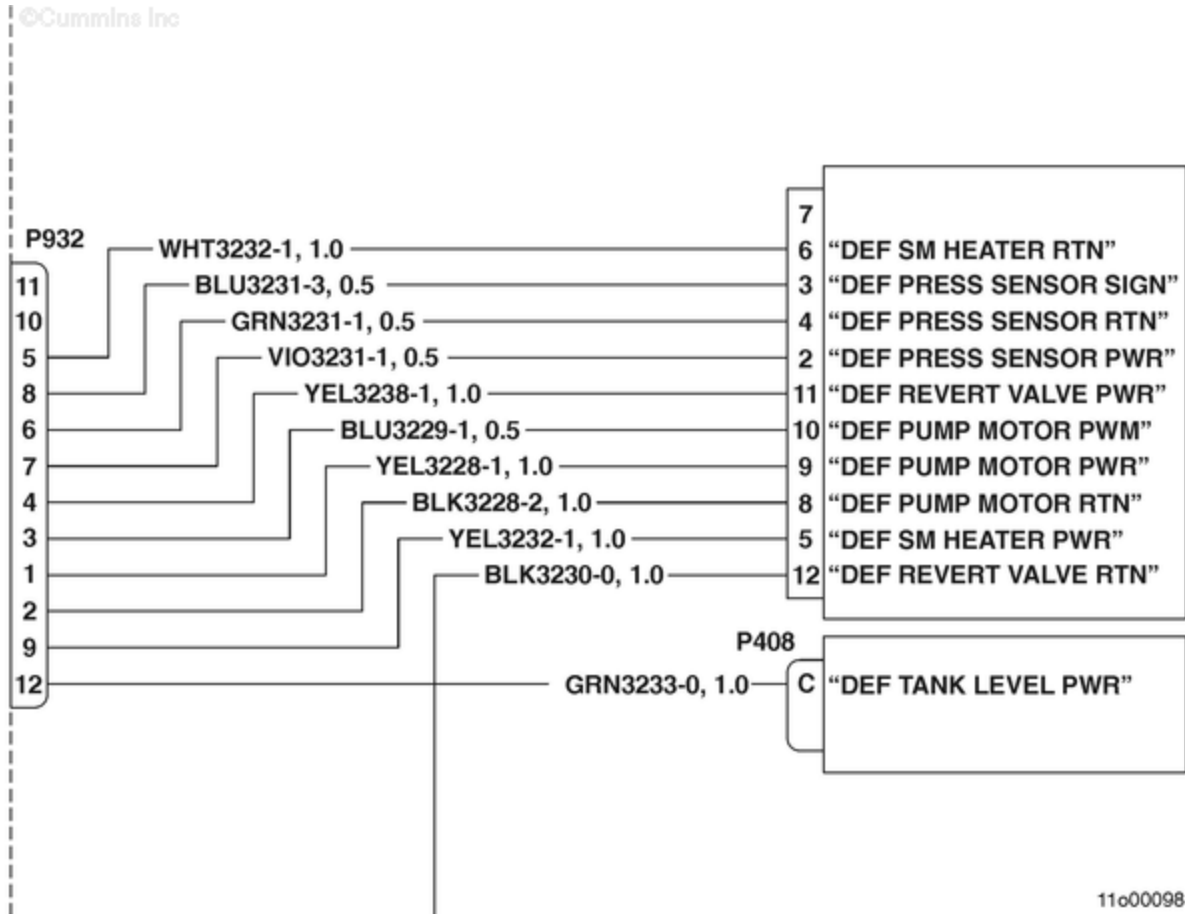
Contact an original equipment manufacturer (OEM) PACCAR™ dealer for repair instructions. Please reference Kenworth™ Document **43-035** or Peterbilt™ Document **FRN 1213-1**.

Relocate the wires in the connector. The green wire should be inserted in cavity number 4. The white wire should be inserted in cavity number 6.

Follow these steps:

1. Examine the engine control module (ECM) for Fault Codes 1921, 1922, 1981, 3375, and 3376. If these fault codes are active, move to Step 2.
2. Determine the truck build date. If the truck was built in September, October, November, or December of 2013, proceed to Step 3. If **not**, follow the published troubleshooting trees. (This step may fluctuate; PACCAR™ is attempting to understand the dates for affected units).
3. Determine the DEF tank harness part number. If the part number is P92-8255 Rev C, proceed to Step 4. If **not**, follow the published troubleshooting trees.

4. Disconnect the DEF tank harness from the DEF supply module. PACCAR™ nomenclature for this harness is the DEF tank harness. Examine connector pins 4 and 6. Pin 4 should be a green wire and Pin 6 should be a white wire. If the pins are incorrect, swap the pins at the DEF supply module connector. Connector P931 (below) shows the **correct** pin outs for pins 4 and 6.



## Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions. Information Only - OEM Related Matter Not Covered By Cummins® - Contact Appropriate OEM Dealer or OEM Representative For Additional Information

## Attachments

[Click here to see 140407\\_paccar\\_esn\\_list.xls](#)

[Click here to see peterbilt\\_field\\_repair\\_12131.pdf](#)

[Click here to see peterbilt\\_frn\\_12131\\_procedures\\_r1.pdf](#)

## Document History

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Date	Details
2013-12-30	Module Created
2014-2-3	none
2014-4-14	none

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**Last Modified: 16-Apr-2014**

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