

# 45-066 M520 Coolant Level Sensor Testing Procedure

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45-066

Due to the lack of coolant level sensor diagnostic procedures, sensors are being replaced and faulty sensors are sent back to the manufacturer where they are analyzed and determined NTF (No Trouble Found). Due to the high incidence of NTF for these sensors, diagnostic procedures have been created and are now available.

## Subject

45-066 M520 Coolant Level Sensor Testing Procedure

## Whats New Abstract

A testing procedure has been created for the coolant level sensor on model 520.

## Chassis Affected

All Peterbilt 520 models built from 2022 through 2023.

## Action

### Information Only

Due to the lack of coolant level sensor diagnostic procedures, sensors are being replaced and faulty sensors are sent back to the manufacturer where they are analyzed and determined NTF. Due to the high incidence of NTF for these sensors, diagnostic procedures have been created and are now available.

## Background

A testing procedure has been created for the coolant level sensor on model 520.

Using currently available coolant level sensor diagnostic procedures, sensors are being replaced and faulty sensors are sent back to the manufacturer where they are analyzed and determined NTF.

## Procedure

**Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.**

- Remove sensor from coolant reservoir and wipe dry.
- Perform all sensor resistance value checks as specified in procedure below.
  - If all resistant values are within range, sensor is functioning properly and should not be replaced.
  - If any of the resistance values are not within the specified ranges, sensor can be considered failed.
    - If returning sensor to supplier, be sure to report which resistance values were out of range and

provide an exact meter reading.

**Q21-6030-004 Multimeter Check**

+ Terminal to - Terminal	126K - 154K	Ohms
- Terminal to Base	0.0K - 0.3K	Ohms
+ Terminal to Tip	29.7K - 36.3K	Ohms
- Terminal to Tip	155.7K - 190.3K	Ohms

