

APTB 05/17

## SUBJECT: AP63422 Fuel Rail Pressure Sensor Design September 18, 2017

Alliant Power's AP63422 Fuel Rail Pressure (FRP) Sensor for the Ford® Power Stroke® 6.4L and Navistar® MaxxForce® 7 engines has undergone a design change. The new sensor has a significantly different appearance from the sensor used previously. See the images below showing the visual differences between the two sensors.



Old FRP Sensor



New FRP Sensor

### New Sensor Installation:

- Remove the old sensor and **seal** from the passenger side high pressure fuel rail.

**Note:** The new sensor does not use a seal and the torque requirement has changed.

- Install the new FRP sensor and use a torque wrench to tighten the new sensor to 26 lb–ft (35 Nm).

**Note:** With the sensor installed, there is a noticeable gap between fuel rail and sensor (*see figure 1 below*).

- Connect the fuel injection harness connector to the FRP sensor and install the valve cover.

Refer to appropriate service manual or equivalent for detailed assembly instructions and torque specifications.



Figure 1

