

# **Ag Leader<sup>®</sup>** **Technology**



## **Bulk Fill Pressure Sensor**

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**(Operating Range: 8-30 inches of H<sub>2</sub>O)**

**All Planter Makes and Models**

**Installation Instructions**


**PN: 2006408-ENG REV. C**

# Installation Overview

## Required Parts

Pressure Sensor Kit P/N: 4101370		
Part Number	Qty *	Description
2001000-41	1	13/32 in. Drill Bit
2002001-31100	1	Hex Head Cap Screw
2002057-31	1	Hex Serrated Flange Nut
2002293-125	1	Hex Panel Nut
2003149	1	Cable Clamp
2003150	1	Pneumatic Fitting - 90 deg
2003152	1	Pneumatic Fitting - barbed adapter
2007152	1	Tube Support
4001562	6	Black PVC Tubing (by the ft.)
4004881	1	Pressure Sensor Assembly
4004993-6	1	6 ft. Extension Cable

## Installation Procedure

<p>1. Attach tube support to fitting and tube. Make sure connection is secure.</p>	
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2. Fully insert opposite end of black PVC tubing over nozzle of pressure sensor. Tubing should be pressed against threaded shoulder of sensor when fully seated.



3. Using the 13/32 in. Drill Bit provided, drill a hole in the air pressure manifold of the planter.

- Place hole in easily accessible location.
- Placing hole in large diameter tubes or at the “Y” splices will ensure tube is flat enough to provide adequate sealing once hex nut is tightened.
- Be sure that the placement of the hole will not interfere with the design of the planter and its components.
- Taking into consideration the items mentioned above, the closer the hole is placed to the delivery fan the better.



4. Insert the Pneumatic Fitting in the hole and use the Hex Panel Nut to tighten the Pneumatic Fitting to the planter pressure tube. Pneumatic Fitting can swivel for optimum tube and cable routing.

**5.** Attach the pressure sensor to the planter with the cable clamp.

- Use Cap Screw and Nut if necessary.
- Place pressure sensor so it will not interfere with the operation of the planter, row unit, and its components.
- Place pressure sensor so it will not result in pinched or pulled wires or tubing.



**6.** Connect the cable from the Pressure Sensor to the PCM (Planter Control Module) input/output breakout cable. Use the 6 ft. Extension Cable if necessary.