

Subject: <b>Troubleshooting Guide for 2-Inch Vacuum Gauges</b>	Initial Release Date: 02/16/99	Revision Date:	Revision:
	Product Group: Heavy Duty Instrumentation		

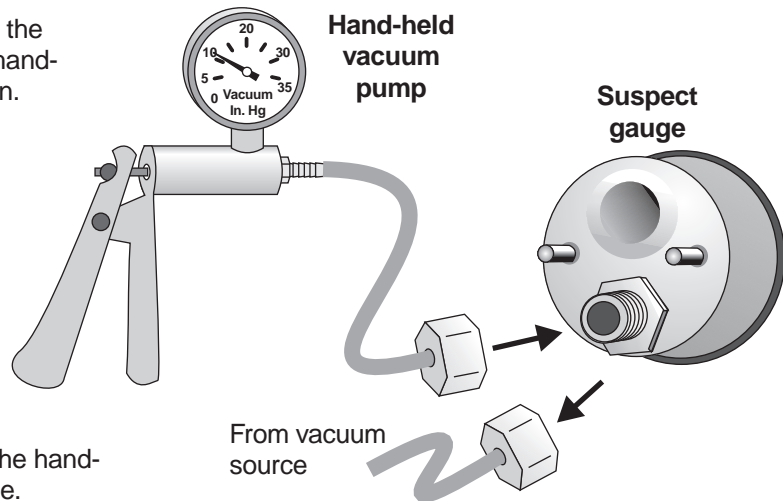
**1. Required Materials and Tools**

You will need a hand-held vacuum pump or other vacuum source known to be accurate from 0 to at least 20" of mercury (Hg). The pump must have adapter fittings that allow it to be connected to the suspect gauge.

**2. Procedure**

- A. Disconnect the vacuum line from the suspect gauge and connect the hand-held pump to the gauge as shown.
- B. Apply vacuum to the gauge according to the table below.

*Note: Most vacuum test sources read in inches of mercury (Hg). If using this type of vacuum source, do not apply more than three inches of mercury to an Air Filter Restriction gauge or you will damage the gauge.*



- C. Compare the readings between the hand-help pump and the suspect gauge.

**Suspect gauge reads as indicated in the table:** problem with vacuum source or vacuum lines.

**Suspect gauge does not read as indicated in the table:** replace the suspect gauge.

Gauge	Full Scale Reading	Apply this test vacuum:	Suspect gauge should read:
Fuel Filter Restriction	0 to 20" Hg	10" Hg	About 10" Hg
Fuel Filter Restriction	0 to 30" Hg	15" Hg	About 15" Hg
Air Filter Restriction	0 to 40" water	3" Hg	About 40" water

**3. For Additional Support**

Troubleshooting assistance is available from our Service Department Monday through Thursday from 7 a.m. to 5:30 p.m. MT, and Friday from 7 a.m. to 3:30 p.m. MT, at (970) 244-1243 or (970) 244-1259. You may also leave a detailed message at service@ametekdixson.com.