

# DIGITAL VACUUM GAUGES

## CLEANING AND REPAIR INSTRUCTIONS

DV-40S



SH-35N



DV-41



DV-22N



## CLEANING THE SENSOR

If your vacuum gauge is behaving erratically, cleaning the sensor may be necessary.

Use isopropyl (isopropanol) alcohol only. Do NOT use denatured alcohol as it leaves residue after evaporation. Do not use other solvents as they may be too corrosive and permanently damage the sensor and or its surroundings. Isopropyl of 90% pure or better should be used. Hardware stores will sell 99% pure, found near the paint thinners and solvents.

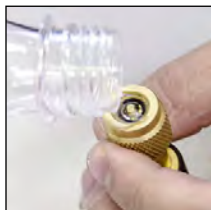
Follow steps 1-6 below. If issues continue, an alternate method of cleaning the sensor is to soak the sensor in alcohol overnight. If you have trouble getting an accurate reading after cleaning the sensor, please check your gasket or o-ring for damage, wear, or to see if it is missing.

### Tools Required

Rubbing Alcohol (Isopropyl)

#### Step 1

Liberalily pour rubbing alcohol into the sensor.



#### Step 2

Cover fitting opening with your thumb or finger.



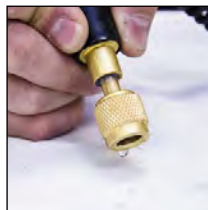
#### Step 3

Agitate the rubbing alcohol in the sensor to clean by shaking for a few seconds.



#### Step 4

Dump excess alcohol.



#### Step 5

Repeat steps 1-4 at least twice.



#### Step 6

Allow to air dry or pull vacuum on gauge to expedite drying.



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## REPLACING THE GASKET

Check your vacuum gauge to determine if a gasket or o-ring is present. For gauges using a gasket, use replacement part P511 and follow steps below. For gauges using an o-ring, refer to REPLACING THE O-RING instructions.

### Tools Required

- Needle nose pliers
- P511 replacement gasket

#### Step 1

Use needle nose pliers to remove depressor and gasket.



#### Step 2

Separate depressor from gasket.



#### Step 3

Place new gasket over depressor.



#### Step 4

Press depressor and gasket securely in place.



## REPLACING THE O-RING

Check your vacuum gauge to determine if a gasket or o-ring is present. For gauges using an o-ring, use replacement part P90009. For gauges using a gasket, refer to REPLACING THE GASKET instructions.

### Tools Required

- O-ring tool
- P90009 replacement o-ring

#### Step 1

Use o-ring tool to get under the rubber o-ring.



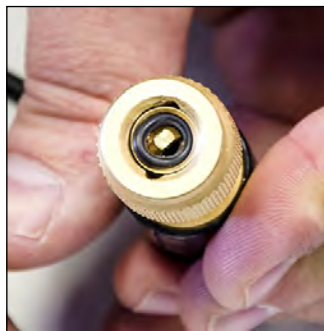
#### Step 2

Remove o-ring.



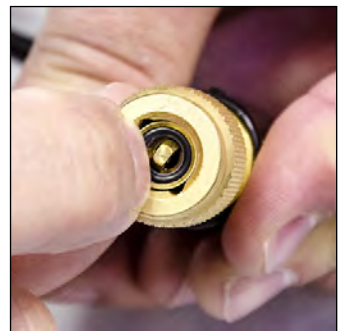
#### Step 3

Place new o-ring in the groove.



#### Step 4

Press o-ring to securely seat in the groove.



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