RETURN FOR REPAIR POLICY

Every effort has been made to provide reliable, superior quality products. However, in the event your instrument requires repair, forward unit to Service Center freight prepaid to the address below with return address, phone number and/or email address.

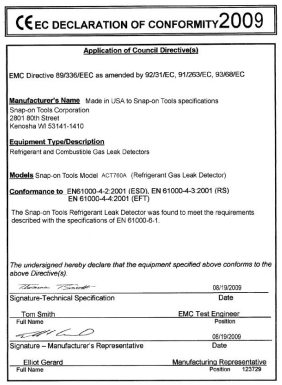
SNAP-ON TOOLS
SERVICE CENTER
2651 W 81st Street
Hialeah, FL 33016

WARRANTY POLICY

The ACT760B Refrigerant Gas Leak Detector is warranted to be free of defects in materials and workmanship for a period of three years from the date of purchase including an industry first two year warranty on the sensor. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use including unauthorized opening of the unit. Please ship warranty units that require repair freight prepaid to Service Center along with proof of purchase, return address, phone number and/or email address.

Snap-on, 2801 80th St. Kenosha WI 53143

Snap-on.com



CE EC DECLARATION OF CONFORMITY 2009

Application of Council Directive(s)

EMC Directive 89/336/EEC as amended by 92/31/EC, 91/263/EC, 93/68/EC

Manufacturer's Name Made in USA to Snap-on Tools specifications
Snap-on Tools Corporation
2801 80th Street
Kenosha WI 53141-1410

Equipment Type/Description
Refrigerant and Combustible Gas Leak Detectors

Models Snap-on Tools Model ACT760A (Refrigerant Gas Leak Detector)

Conformance to EN61000-4-2:2001 (ESD), EN 61000-4-3:2001 (RS)
EN 61000-4-4:2001 (EFT)

The Snap-on Tools Refrigerant Leak Detector was found to meet the requirements described with the specifications of EN 61000-6-1.

The undersigned hereby declare that the equipment specified above conforms to the above Directive(s).

Signature-Technical Specification — Date 08/19/2009

Tom Smith — Full Name — EMC Test Engineer — Position

Signature – Manufacturer's Representative — Date 08/19/2009

Elliot Gerard — Full Name — Manufacturing Representative — Position 123729

Model ACT760B
Refrigerant Gas Leak Detector

Detects all CFC, HFC, HCFC, HFO
Refrigerants including blends

User Manual

CE

Design certified by ASCI and Intertek to meet SAE J2791, J2913 and EN14624

USA

Introduction

The ACT760B features a long life solid electrolyte sensor technology that is designed to detect the more current and difficult HFC refrigerants such as R-134a in addition to the new HFO-1234yf and all HCFC (R-22) and CFC (R-12) refrigerants including SNAP approved hydrocarbon blends. The ACT760A does not require rechargeable batteries.

Features

- R-134a sensitivity .05 oz/yr
- R-1234yf sensitivity .025 oz/yr
- Long life, stable sensor
- Certified to meet new SAE 2791 & J2913 standards
- R-22 sensitivity .025 oz/yr
- Low battery indicator
- Automatic calibration and reset to ambient
- Audio mute function
- 3 adjustable sensitivity levels
- EN14624 Certified
- True mechanical pump
- Garage Tough
- Uses 4 AA alkaline batteries
- 3- year warranty including 2 years for the sensor
- Comfortable Sanoprene grip
- Made in USA
- CE Certified

Replacement Parts

Item	Part Number
Sensor with Filter	ACT7851
Filter Kit	ACT7852
Test Vial	ACT7853
Carrying Case	ACT7854
Instruction Manual	ZACT760A

Product Specifications

Model #	**ACT760B**
Name	**Leak Detector, Refrigerant Gas**
Sensitivity	**.05 oz/yr R134a .025 oz/yr R22**
Sensor Life	**> 10 years**
Response Time	**Instantaneous**
Power Supply	**4 AA Alkaline batteries**
Battery Life	**8 hours continuous**
Warm up time	**< 20 seconds**
Probe length	**17 inches**
Weight, lbs	**1.5 lbs**
Warranty	**2 years (includes sensor)**

Cross Sensitivity to Automotive Chemicals

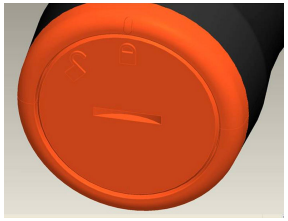
Some automotive solvents and chemicals have similar hydrocarbon properties as R134a and may elicit a positive response (<30 seconds) from the ACT760B. Before leak checking, clean up any chemicals in the list below that elicit a positive response.

Brand/Chemical Name	Response	Clears <30 seconds
Dextron Transmission fluid heated to 160 ºF	N	N/A
Quaker State Motor Oil heated to 160 ºF	N	N/A
Rain-X Windshield Wash Fluid	N	N/A
Ford silicone lubricant	N	N/A
Ford Rust Inhibitor (when wet)	Y	Yes
Ford Gasket Adhesive (when wet)	Y	Yes
Loctite Natural Blue degreaser (undiluted)	Y	Yes
Ford Brake Parts Cleaner (when wet)	Y	Yes
Ford Silicone Rubber (when uncured)	Y	Yes
Motorcraft Antifreeze heated to 160 ºF	Y	Yes
Gunk liquid wrench (when wet)	Y	Yes
Ford Spot Remover (when wet)	Y	Yes
Ford Pumice lotion (with mineral solvent)	Y	Yes
Ford Motorcraft brake fluid	Y	Yes
Ford Carburetor Cleaner (when wet)	Y	Yes

Maintenance

Batteries:

Install Batteries: Turn battery door to the unlock position as shown below. Install batteries with polarity mark as shown inside battery compartment. Relock battery door by turning to lock position.

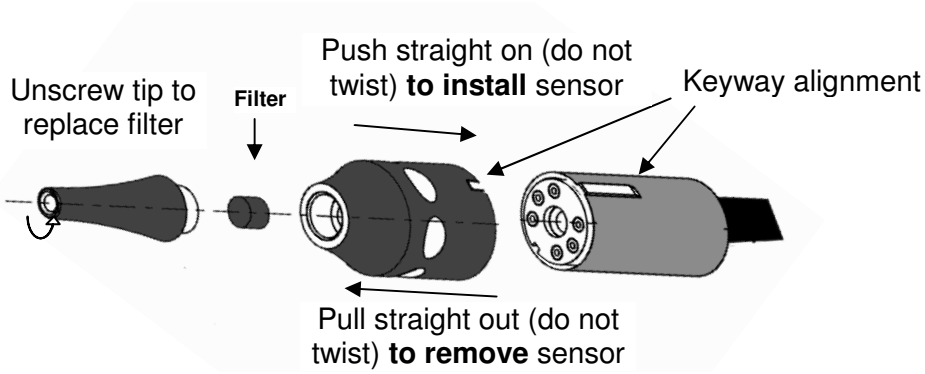


Sensor:

Replace Filter: Unscrew sensor tip as shown to replace filter. Replace filter whenever it becomes visibly dirty or every 2 to 3 months depending on use.

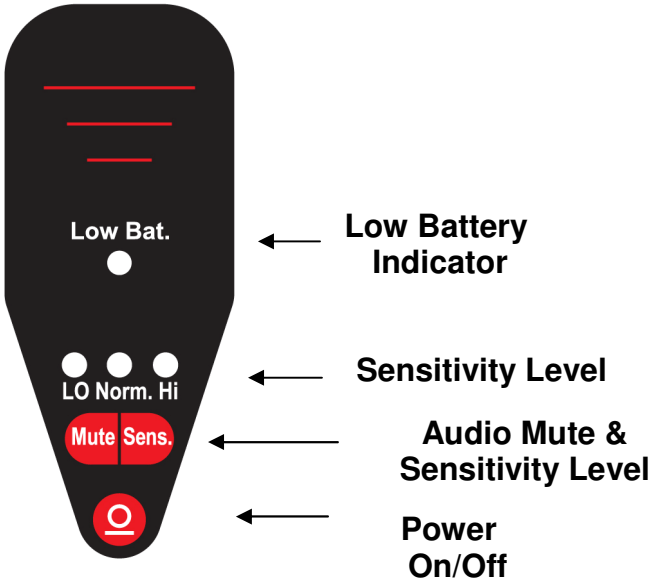
Replace Sensor: Remove sensor by pulling out of socket. Install the new sensor by aligning the Keyway notch in sensor cover with the raised keyway on sensor socket holder (see figure below).

Note: Do not force sensor into socket. Misalignment can damage the sensor pins.



IMPORTANT: The instrument's software is designed to alert the user if the sensor is dislodged or defective. If the sensor is not fully inserted into the six-pin socket, or if it is defective, the instrument will not come out of the "Warm Up" mode for proper operation when the power button is turned on. Additionally, if the instrument becomes unstable during its operation, it is an indication that the sensor may be defective or dislodged.

ACT760B Control Panel



Operating Instructions

2. **TURN ON:** Press the ON/OFF button once to turn on and again to turn off.

3. **WARM UP**: The detector automatically starts heating the sensor. During the heating cycle the detector will sound a slow "beep". Warm up is usually less than 20 seconds.

4. **READY**: The detector is ready to begin searching for leaks when the green sensitivity LED turns on and the audio "beep" increases in frequency.

Changing the Sensitivity Levels for (SAEJ2791) and (SAEJ2913)

The detector has an excellent response to tiny leaks for both R-134a and R-1234yf. However, the three sensitivity levels for the two refrigerants are different and require changing in order to comply with SAEJ2971 (**R-134a)** and SAE2913 (**R-1234yf)**.

On power up the detector defaults to the sensitivity levels required for R-134 automatically as long as the ON/OFF is released while the low battery indicator is still on. To set the sensitivity levels required for R-1235yf on power up, press and hold down the ON/OFF button slightly longer and release when the low battery indicator turns off.

Setting the Calibration Modes

Automatic Calibration:
This mode is useful when searching for leaks normally and also in heavily contaminated areas. The detector automatically recalibrates (re-zeroes) to ambient levels, which stops the constant alarm, only responding to higher levels of refrigerant. This allows searching for the true source of the leak. The detector will reset automatically after 3 or 4 seconds and stop the detector from alarming. Note: the detector automatically defaults to this mode when the unit is powered on normally.

Manual Calibration:
This mode may be useful when more control over the calibration is required and also when searching for smaller leaks. In this mode the detector recalibrates to ambient levels, but only when you choose to do so. The calibration will remain constant when searching for small leaks.

To use the detector in Manual Calibration mode: Press and hold the SEN button and release the button when the SEN LED level indicator starts to blink or (flash). Note: after resetting, the LED will blink rapidly until the manual reset cycle is complete.

To return to Automatic Calibration press and hold the SEN button and release the button when the SEN LED stops blinking (flashing).

Note: the sensitivity levels can only be changed in Automatic Calibration mode. To change sensitivity levels while in Manual mode, return to Automatic mode, select the desired level and return back to Manual mode.

Low Battery Indicator

Replace the 4 AA Alkaline batteries when the red LED on the control panel is lit. Follow battery installation instructions under **Maintenance** section.

Audio Mute Function

To silence or mute the audio beep and alarm signal, press the MUTE button. To restore the audio sound, press the MUTE button again. (Note: a few seconds is required to restore sound if the mute button is pressed in rapid succession.)

Adjusting Sensitivity Levels

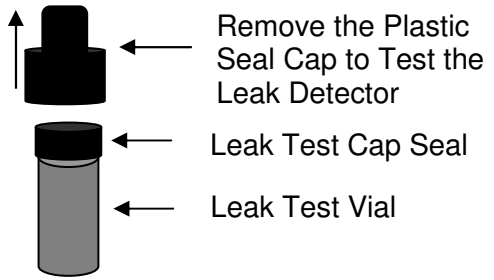
The Leak Detector will default to the NORM sensitivity level automatically once the unit comes out of the warm up cycle and the green LED will turn on.

To change sensitivity levels, press the SENS once for HI sensitivity (red LED will turn on) and again for LO sensitivity (yellow LED will turn on).

Leak Test Vial

The leak detector comes with a Leak Test Vial that allows the user to make sure the detector is performing properly. To test:

1. Remove the Plastic Seal Cap on the top of the Leak Test Vial by pulling it off (see fig. below). Also, remove and discard the circular Leak Test Cap Seal.
2. Turn on the leak detector and allow the instrument to complete the warm up cycle.
3. Place the sensor close to the small hole in the top of the Leak Test Vial. The beep rate should increase and the Digital Leak Size Indicator should display a number from 4-6 indicating that the sensor and the electronics are working properly.



NOTE: Remember to replace the Plastic Seal Cap after the leak test is completed. Replace the Leak Test Vial when the green media color is no longer visible and the leak media has evaporated. Remove the threaded cap on the vial to confirm the status of the leak test media. After the leak test media has evaporated, it is normal for there to be a green film on the wall of the Leak Test Vial.