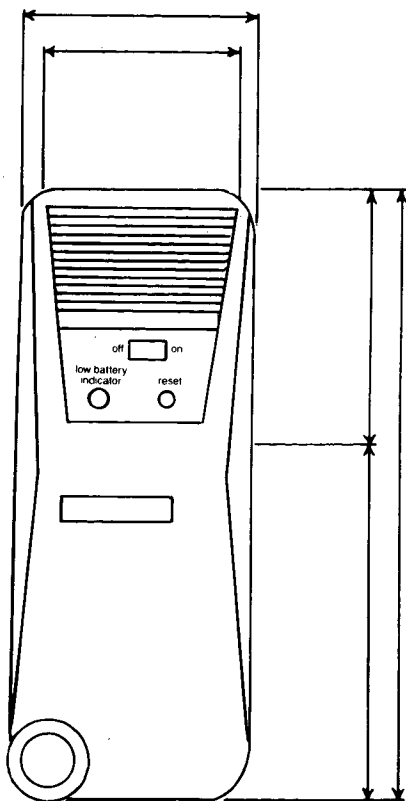


Snap-on
AC 6500
Vacuum Leak Detector
OWNERS MANUAL



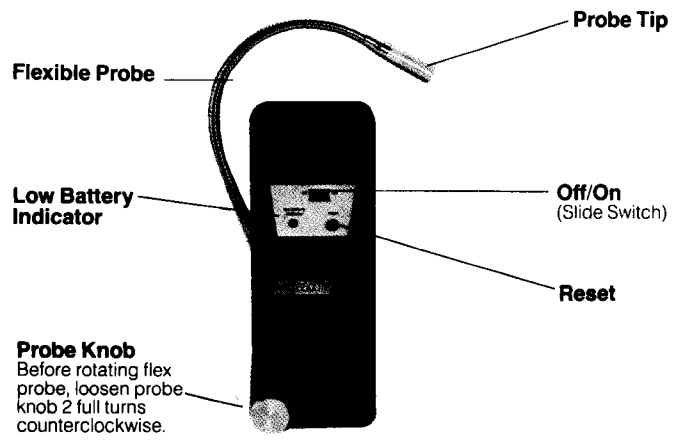
Introduction to the AC 6500

Fast help for vacuum leak detection is here! With the automatic gain control, professional mechanics can zero in on vacuum leaks by the push of a button. There are no knobs to adjust, just turn on the switch and search for vacuum leaks. An audible signal indicates relative proximity to a vacuum leak up to several feet away. A periodic slow beep reassures the user that the instrument is "listening" for leaks. There are no add-on attachments needed. Nothing to get lost or misplaced. The AC 6500 is the most technologically advanced approach to vacuum leak detection on the market today.

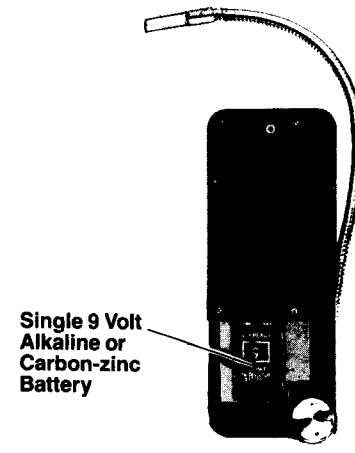
Features of the AC 6500 Vacuum Leak Detector

- No knobs to adjust
- Audible indication: beep rate increases as leak is approached
- Extremely sensitive—will detect a strong leak from 4 feet away
- Push button (automatic) adjustment for homing in on a leak
- Cordless, uses one 9V battery
- Low battery indicator
- Long flexible probe for hard to reach places
- Resets to maximum gain in one second
- One handed operation
- Automatic gain control
- Single probe tip
- Instantaneous response to leak

**The AC 6500
Vacuum Leak Detector**



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Leak Detection

1. Set power switch to on position. Unit will beep approx. once every two seconds.
2. Start engine and begin a general search of the engine compartment. The beep rate will increase when the probe tip is pointed at, or gets closer to, a vacuum leak. See note on vacuum leaks.
3. As the leak is approached, the beep rate increases significantly, and the probe tip becomes more directional.
4. When the beep rate reaches a maximum, press the reset button. The sensitivity will be automatically reduced and the beep rate will reset to slow, for a closer approach to the leak source.
5. To set maximum sensitivity, point probe away from engine compartment, or put finger over probe tip, and push the reset button for approximately 2 seconds.
6. In a situation where large leaks mask small leaks, locate and repair large leaks first. Finding the small leaks will then become an easier task.

Note: Occasionally the AC 6500 may "hear" other ultrasonic sounds such as noisy valves, some ignition systems, and fuel injectors, but the beep rate will be constant. This is distinguishable from a vacuum leak where the beep rate increases as the leak is approached.

Trouble Shooting Hints

If there is a steady beep but the unit will not pick up a known leak:

1. A large leak or ultrasonic noise source may be nearby causing the unit's sensitivity to be automatically reduced. Make sure sensitivity is maximum by removing unit to quiet area and pressing reset button.
2. Make sure the battery is good. If unit is turned on but is not beeping, and the low battery indicator is not lit, insert a new battery and check the unit. If it still does not function correctly, return for repair.

Batteries

To replace batteries:

1. Open battery compartment (coins work).
2. Clip a 9V carbon-zinc or alkaline battery in battery clip.
3. Replace battery cover.

Batteries affect performance. When the low battery indicator comes on, replace the battery. As the battery voltage decreases, the beep rate and the sensitivity also decrease.

Applications of the AC 6500 Vacuum Leak Detector

Vacuum Leaks on Car Engines
Window Leak Detection (Use Optional
Transmitter, Part # AC 6501)
Tire leaks

Unit Comes Complete With:

Unit- AC 6500
Carrying Case
9V Battery

Optional Accessory

Transmitter for Window Leak Detection
Part # AC 6501

Specifications

Power Supply: 9V Battery
Battery Life: 40 hours for Carbon-Zinc,
80 hours for Alkaline
Sensitivity: Automatic
Response Time: Instantaneous
Reset Time: 1/4 second
Set Time: 1 second
Warm Up Time: Instantaneous
Weight:
14.5 ounces with battery.
Dimensions: 8" x 3" x 1.8"
(20.32 cm x 7.62 cm x 4.57 cm)
Probe Length: 12.5" (31.75 cm)

Cautions

This instrument should only be used by
competent personnel who are familiar
with and follow good work and safety
practices.

Set parking brake before starting engine.

Avoid severe mechanical shock, temper-
ature and humidity extremes, and strong
magnetic fields.

Keep flex probe clear of fan belts, cooling
fan, and exhaust manifold.

Set parking brake before starting engine.

Maintenance

Keep instrument clean and dry.

Remove batteries for long term storage.

Patent Pending

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