

MAGNETI MARELLI

Electronic Leak Detector W/UV Light

HFC Gas (without bez 1234yf)

Manual

007950013850



Magneti Marelli Aftermarket Spółka z.o.o.

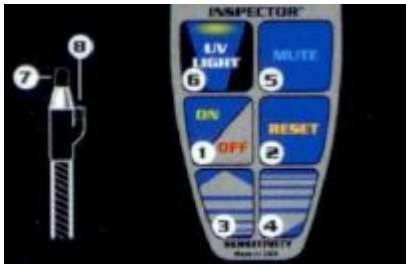
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ELECTRONIC LEAK DETECTOR



KEYPAD FUNCTIONS & PARTS

BATTERY INSTALLATION

Hold the leak detector handle horizontally. To remove the battery cover, loosen screw on top of the cover and pull it away from the unit. Insert two „C” cell batteries into the compartment with the positive polarity (+) facing up. Reinstall the battery cover.

BATTERY TEST

Turning the unit ON will automatically run the battery test function and the battery condition is shown on the LED display.

UV BLUE LIGHT

The UV Blue Light is used for detecting leaks in systems containing UV Dye. The light can be activated by pressing the UV Light button. No matter if the unit is switched ON or OFF, this function will work!

ALWAYS WEAR SPECIAL UV SAFETY GLASSES!

IMPORTANT LEAK DETECTION TIPS:

- A. Make sure the air conditioning/cooling system is turned OFF before inspection. There must be a sufficient amount of the coolant in the system. A minimum gauge pressure of 3 bar at ambient temperature of 15°C with the system OFF is required for efficient leak detection.
- B. For the best leak detection results, the probe should be moved along the leak detection area at the speed of approx. 25-50 mm/sec., and held approx. 5 mm away from the surface. An increase in the alarm frequency will indicate a leak. To confirm the correct leak location, blow air into the suspected leakage area, then move the probe into fresh air, reset and re-inspect.
- C. When inspecting in contaminated or high humidity areas, erratic indications (alarm sound) may occur. For the best detection results in these areas, allow the unit to adjust to the existing environment before starting an inspection. Pressing a reset button will adjust the unit to the existing environment.

SENSOR TIP REPLACEMENT

The sensor tip has a full detection potential for approx. 20 hours. As the tip wears out, it will require replacement. Signs of a worn tip are erratic and irregular alarm responses in clean air environment. Before replacing the tip, make sure that it is free of grease, moisture, dust or dirt. To clean the tip, use compressed air or alcohol. Make sure the sensor tip is completely dry before using it.

UV BLUE LIGHT REPLACEMENT

To remove the light, take the LED out of the socket fixture. To install, press the LED into the socket fixture with the log terminal outside.

TROUBLESHOOTING TIPS

When the unit starts to display an erratic or irregular alarm response, check or change a sensor tip or a battery (refer to the battery change procedure at the beginning of this leaflet).

WARRANTY

This product is warranted for a period of one year commencing on the day of the purchase at an authorized representative. A repair or replacement will be made free of charge with proof of purchase. Any damage caused by tampering or improper use will void the warranty. This warranty does not cover batteries, sensor tips, LEDs or other materials that wear out during normal use. BEFORE RETURNING THE UNIT, PLEASE REPLACE OR CLEAN A SENSOR TIP AND CHECK BATTERIES. This warranty is given in lieu of any other warranty, express or implied, including but not limited to, any implied warranty of merchantability, fitness for a particular purpose, and non-infringement

For technical assistance, call 888-825-6989 (USA)

GOOD/GREEN

LOW/YELLOW

REPLACE/RED



1. Turn the Unit ON/OFF
2. Reset Sensitivity Level acc. Zero Reference
3. Increase Sensitivity
4. Decrease Sensitivity
5. Turn the Alarm ON/OFF

6. Turn UV/Blue Light ON/OFF
7. Sensor Tip
8. UV/Blue Light

To check the remaining battery life, press and hold ON/OFF button.

OPERATING PROCEDURES

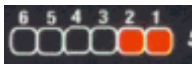
1. SENSITIVITY LEVELS

INSPECTOR™ detector has six sensitivity levels (1-6). The highest sensitivity will detect a leak of below 3 grams per year. Turn the unit ON and it will default to Level 5 (Level 5 is a recommended setting to begin an inspection). To check the sensitivity level on the LED display, press either the UP or DOWN arrow. The LED display will illuminate for approx. 2 seconds (one LED for every sensitivity level). One illuminated LED means the lowest sensitivity setting, six mean the highest.

Setting

Low

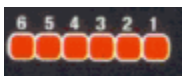
Sensitivity



Setting

High

Sensitivity



The sensitivity level can be increased with UP arrow and decreased with DOWN arrow. Pressing and holding the selected arrow will adjust the sensitivity to a required level. The setting operation will continue until the arrow button is released.

2. DETECTION LEVELS

INSPECTOR™ Detector has 15 levels of detection. As the unit approaches a leak source and concentration of the coolant increases, the audible alarm will increase in speed and the LED display will progress through a series of three colors: red, yellow and green. The number of LED lights in each color mean 5 potential levels in each color range.

Low Detection Level



Medium Detection Levels



High Detection Level



A detection level will vary depending on the level of sensitivity setting. The same leak will display high detection levels with higher sensitivity settings and lower detection levels with lower sensitivity settings.

3. RESET FUNCTION

The primary use for the reset function is to pinpoint a leak source. Once the unit detects a leak and starts to make a full intensity alarm signal, press the reset button. Resetting will ignore any leaks at this reference level and only detects leaks of higher concentration.



PART

LED

SENSOR TIP

PART NO.

53512-B

55100-SEN



DESIGN CERTIFIED BY MET LABORATORIES INC. MEETS SAE J1627, POZ. R134a, R12 AND R22 STANDARDS

WARNING!

- *Pressurized systems can leak*
- *Wear safety shield (User and Bystander)*
- *DO NOT breathe the coolant vapors in!*

- *Watch out for movable parts of the units!*
- *Pressurized leaks and breathing the coolant vapor in can cause injuries*
- *Wear UV safety glasses (User and Bystander)*

PATENT PROTECTED

Made in USA

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